

DEVFEST PESCARA 2024

8, 9 e 10 Novembre

Aurum

AGENDA

Agenda dell'evento

Venerdi, 8 novembre 2024 - Workshop

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
09.30	Cesare De Sanctis Agile workshop	Alfredo Aiello Introduzione alla Cybersecurity con le CTF	Riccardo Carlesso Pragmatic AppMod: take an old PHP project and make it 12-factor compliant on GCP	Sasha Denisov GenAI fireside chat in your Mobile/Web app
13.00				Pausa pranzo
14.00	Cesare De Sanctis Agile workshop	Alessandro Vizzarro Sviluppo Gaming 2D with Unity 3D	Giuseppe Mastrandrea L'AI che parla la tua lingua	Giacomo Ranieri Building your first Quantum Circuit

Sabato, 9 novembre 2024 - Conferenza

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
09.30	GDG Pescara Opening			
10.20	Eyal Wirsansky Unlocking the Secrets of the Mystery-Word Game: A Journey Through NLP and Genetic Algorithms	Jai Campbell Explore Site Reliability Engineering Best Practices with Gemini	Cleyra Uzcategui Crafting a Dev-licious Online Presence – Personal Branding for Developers	
11.10	Riccardo Carlesso News Crawler via Langchain.RB and	Nicola Guglielmi Dica 33... observability in Google	Kate Smith Opera to Operations: An	

	Gemini APIs	Cloud and beyond!	Artists Journey to Technical Product Operations	
12.00	Colette Grail From Data Points to Predictive Analytics: creating your personal Digital Nervous System Health	Natalie Godec Building a cloud-native data platform with security in mind	Alfonso Graziano The Staff Engineer VS Manager Path: A window over the tech career paths	
14.00	Serena Sensini From Flux Capacitors to Neural Networks: The Evolution of AI in Software Development	Francesco Pirrone / Santino Caruso Platform Engineering: creazione di Kubernetes Operator in Python	Daniela Bonvini Angular Signals: what's all the fuss about?	
14.50	Ume Habiba The Effects of AI on the World	Maurizio Ipsale 88 mph to FinOps: Accelerating Cloud Cost Control in Google Cloud	Enrico Giacomazzi Blazor, why everyone hate it?	Giovanna Galleno Malaga Back to YOUR Future & shape your success
15.40	Mario Fusco Machine Learning + Symbolic Reasoning: A Quarkus story on Artificial Intelligence	Ivano Scifoni NET Aspire: Alla Conquista della Galassia dei Microservizi!	Fabio Biondi Sviluppare piattaforme di contenuti digitali	Giada Pastorino Soft Skills Die Hard
16.55	José Enrique Calderón Sanz Revolutionizing Collaboration: AI and Architecture Decisions	Stefano D'Alessandro E se Taiichi Ono e John DeLorean si fossero incontrati il 24 Ottobre 1975?	Paolo Insogna How to create a QR codes rendering service using Platformatic	
17.45	Gabriele Cestra Code Analysis: Assicurare Sicurezza e Qualità nell'Era dell'IA Generativa	Stefano Le Pera GDG Academy	Davide Passafaro Get your Angular apps ready to go Zoneless	

Domenica, 10 novembre 2024 - Conferenza

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
10.00	Luca Corbucci AI's Hidden Cost: The Environmental Impact of Machine Learning	Simone Summo ADHD e Codice: Superare le Barriere Invisibili	Francesco Bonni Great Scott! Discover What Really Matter in Optimizing Gradle Builds	Armando Pantoja The Role of Blockchain and AI in Shaping the Future of Work
10.50	Michelantonio Trizio Evoluzione dei Motori di Ricerca: Il Ruolo Critico del RAG e dell'IA	Tania Di Mascio Next Level: Reshaping the Gaming Design for Adolescents	Sasha Denisov On-Device fine-tuned Gemma in your Flutter app	Soumaya Erradi Web3 debugging and error handling
11.40	Alfredo Morresi Bringing Fictional Characters to Life with Open Source LLMs	Maurizio Argoneto The Open Source Way: Building and Sustaining Active Communities	Carlo Lucera Gemini Functions Calling with Flutter	Juna Salviati Giochiamo a "Testa o croce" con Azure Quantum!
12.40	GDG Pescara Closing			

Dettaglio interventi

Alessandro Vizzarro

Titolo: Sviluppo Gaming 2D with Unity 3D

Tipologia: Workshop

Alfonso Graziano

Titolo: The Staff Engineer VS Manager Path: A window over the tech career paths

Tipologia: Talk

Abstract: Engineer or Manager: Who wears the cooler tech cape? Dive into the great debate with insights from 'The Manager's Path' and 'The Staff Engineer's Path'. From code-wrangling wizards to tech team captains, get a fun peek into the world of tech's top jobs. Pick your path or just enjoy the ride!

Alfredo Aiello

Titolo: Introduzione alla Cybersecurity con le CTF

Tipologia: Workshop

Abstract: Questo workshop introduttivo ti guiderà nel mondo della cybersecurity attraverso l'uso delle CTF (Capture the Flag). Esplorerai tecniche di base di hacking etico, problem-solving e sicurezza informatica, mettendo in pratica le conoscenze acquisite in sfide interattive. È pensato per chiunque voglia avvicinarsi al mondo della sicurezza informatica, sia principianti che curiosi.

Alfredo Morresi

Titolo: Bringing Fictional Characters to Life with Open Source LLMs

Tipologia: Talk

Abstract: Tired of generic chatbots? In this session, we'll create a truly unique AI agent. We'll go through the process of running an LLM on your own machines, building a chat agent from the ground up, and imbuing it with the personality of your favorite fictional character. In addition, thanks to Retrieval Augmented Generation (RAG) and voice cloning, our character will sound as awesome as it acts. We'll use only open source tools and a sprinklr of Docker.

Armando Pantoja

Titolo: The Role of Blockchain and AI in Shaping the Future of Work

Tipologia: Talk

Abstract: As we navigate the rapidly evolving landscape of technology, the convergence of Blockchain and Artificial Intelligence (AI) is set to redefine the future of work. This session will explore how these cutting-edge technologies are transforming industries, creating new opportunities, and driving workplace innovation. Join Armando Pantoja, a leading expert in blockchain and AI, as he delves into the transformative potential of these technologies. Discover how blockchain's secure, transparent, and decentralized nature, combined with AI's ability to analyze data and automate processes, is revolutionizing the way we work. Key takeaways include understanding how blockchain and AI complement each other and their combined impact on various industries. Learn about practical use cases where these

technologies enhance efficiency, security, and transparency in the workplace. Explore how they automate repetitive tasks, improve decision-making, and enable new business models. Discuss future trends and how organizations can prepare for a world where blockchain and AI are ubiquitous. This session is perfect for developers, engineers, tech leaders, and visionaries who want to stay ahead of the curve and leverage the power of blockchain and AI to shape the future of work. Join us to be part of this exciting journey into the next era of technological innovation.

Carlo Lucera

Titolo: Gemini Functions Calling with Flutter

Tipologia: Talk

Abstract: This talk delves into Gemini Function Calls, Google's innovative tool for integrating generative AI into Flutter applications. Developers will learn how to use the Google AI Studio SDK to build intelligent apps capable of dynamic content generation, question answering, and task completion based on data. The talk will focus on creating a DevFest agenda app equipped with an interactive AI assistant powered by Gemini Functions. Attendees will gain insights into designing the app UI, structuring data models, and leveraging Gemini Functions for dynamic content and interactive question-answering. The talk will cover advanced tips on optimization, language processing, and error handling, culminating in a live demo and Q&A session.

Cesare De Sanctis

Titolo: Workshop Scrum Lego

Tipologia: Workshop

Abstract: Impariamo insieme la metodologia Agile Scrum tramite l'utilizzo dei mattoncini Lego!

Cleyra Uzcategui

Titolo: Crafting a Dev-licious Online Presence – Personal Branding for Developers

Tipologia: Talk

Abstract: Unlock the secrets of an online presence for developers in this dynamic session! Deep dive into the foundations, steps, and challenges of building a personal brand with engaging analogies. Explore the hurdles of crafting your unique identity with grace and humor, leaving you armed with confidence and creativity.

We'll finish off the talk with a 10-min networking session turned into a game. Join us for a Personal Brand Bingo, applying explored concepts and fostering connections that buzz with inspiration.

Perfect for closing a block of talks, this session promises an inspirational journey!

Colette Grail

Titolo: From Data Points to Predictive Analytics: creating your personal Digital Nervous System Health (Reco)

Tipologia: Talk

Abstract: Big Data provides a quantum capability to paradigm shift in how patient health information is captured, stored, and utilized. This presentation delves into the transition from traditional pen-and-paper methods to electronic health records to the concept of a personal Digital Nervous System Health (Record). It's not a "record" because it uses continuous data both incoming and outgoing - both capturing information and sending it out. We explore how

Big Data enhances the understanding of individual health within a broader context, offering personalized insights and improving predictive analytics. The session will also discuss strategies for improving data accuracy and ensuring privacy, emphasizing the critical role of digital health technologies in transforming medical record-keeping. Attendees will learn how harnessing the power of Big Data ensures accurate, reliable, and prescient potential for patient health and public safety.

Big Data offers a transformative capability in how patient health information is captured, stored, and utilized, marking a significant shift from traditional methods. This presentation explores the evolution from pen-and-paper record-keeping to electronic health records, culminating in the concept of a personal Digital Nervous System for Health (DNSH). Unlike a conventional record, the DNSH leverages continuous data flow, both incoming and outgoing, to dynamically capture and disseminate health information.

We will examine how Big Data enhances the understanding of individual health within a broader context, providing personalized insights and improving predictive analytics. The session will also address strategies for enhancing data accuracy and ensuring privacy, highlighting the crucial role of digital health technologies in revolutionizing medical record-keeping. Attendees will discover how harnessing the power of Big Data can lead to more accurate, reliable, and prescient tool for both patient health and public safety.

Daniela Bonvini

Titolo: Angular Signals: what's all the fuss about?

Tipologia: Talk

Abstract: Angular signals are a new feature that has the potential to revolutionize reactive programming in Angular, but apart from the newness of this new approach, the extreme love of some or the intense rejection of others, what are they really useful for?

Was it because the word 'reactive' was attractive in a new feature or because it was a much-needed introduction to the world of Angular?

Moreover, I will try to answer the most polarizing question after 'Does pineapple go on pizza': will signals replace RxJs?

In this talk, I will take you through the history of Angular's signals, from inception to creation to implementation, to understand what leads to their genesis.

You will learn what signals are and how they work, and through real-world use cases, I will show you how you can use them, switching existing logic from observables to signals.

I invite you to join me on this journey towards a new era of Angular to learn more about signals and how they can improve your Angular development experience.

Davide Passafaro

Titolo: Get your Angular apps ready to go Zoneless

Tipologia: Talk

Abstract: Angular's change detection is finally going zoneless, promising to make your apps faster and more performant.

But are you ready to make the leap?

Join me on an journey to learn all about this new approach and how to make your Angular applications ready to go zoneless.

Discover the benefits, learn how to make the changes, and get your applications ready for the future!

Enrico Giacomazzi

Titolo: Blazor, why everyone hate it?

Tipologia: Talk

Abstract: Blazor è una recente tecnologia di casa Microsoft per lo sviluppo frontend usando le tecnologie .NET, pur permettendo di utilizzare lo stesso linguaggio BE nel FE, viene visto in malo modo da parte della community frontend. In questo talk vorrei analizzare i pregi e i difetti di questa tecnologia, senza bias da fanboy Microsoft.

Eyal Wirsansky

Titolo: Unlocking the Secrets of the Mystery-Word Game: A Journey Through NLP and Genetic Algorithms

Tipologia: Talk

Abstract: This session introduces the basics of Natural Language Processing and word embeddings, highlighting their application in popular online games like Semantle. Discover how genetic algorithms can enhance game performance by creating an intelligent player that guesses the mystery word based on semantic similarity. We will explore the game's mechanics, learn the principles of genetic algorithms, and present a live demonstration of our AI player in action. Gain insights into the broader implications and future potential of integrating these advanced technologies. Join us to explore the innovative intersection of NLP, AI, and game design.

Key takeaways:

- * Gain a foundational understanding of NLP and the concept of word embeddings, with a focus on their application in semantic similarity tasks.
- * Discover how genetic algorithms can be employed to create a sophisticated player for the Mystery-Word game. Understand the principles behind genetic algorithms and their optimization capabilities.

Fabio Biondi

Titolo: Sviluppare piattaforme di contenuti digitali

Tipologia: Talk

Abstract: Vorresti iniziare un nuovo progetto ma non hai idea di quali tecnologie utilizzare? Come fare scelte tecniche evitando gli errori più comuni e spendendo il meno possibile? Perché abbiamo scelto Next e Angular rispetto ad altre tecnologie?

In questa sessione condivideremo le analisi e il processo di sviluppo che ci hanno portato a creare LearnByDo.ing: una piattaforma per la pubblicazione e vendita di contenuti interattivi, libri digitali e video-corsi interamente sviluppata in TypeScript, sia lato front-end che back-end.

Moltissimi tip & tricks su come abbiamo organizzato il lavoro, le nostre scelte tecniche, gli errori che abbiamo commesso e come lo stiamo monetizzando.

Se sei interessato ad avviare un nuovo progetto ma non sei sicuro sulla scelta delle tecnologie e su come renderlo sostenibile, questo talk ti sarà molto utile.

Francesco Bonni

Titolo: Great Scott! Discover What Really Matter in Optimizing Gradle Builds

Tipologia: Talk

Abstract: In the world of software development, time is precious, and build times can be a significant bottleneck.

In this session, we embark on a journey to uncover the true impact of various optimization techniques on Gradle builds.

Using a real-life sample project, we'll leverage tools to analyze the build process thoroughly. Each recommended optimization will be applied systematically, allowing us to measure and compare the results with precision. This hands-on approach will reveal which actions genuinely enhance build performance and which ones might not be worth the effort.

By the end of this session, you'll have a clear understanding of:

The tools and methodologies for analyzing and optimizing Gradle builds

The real-world impact of different optimization strategies

Practical insights and actionable tips to enhance your own building processes

Whether you're a seasoned developer or just starting with Gradle, this session will equip you with the knowledge to make your builds faster and more efficient.

Francesco Pirrone/Santino Caruso

Titolo: Platform Engineering: creazione di Kubernetes Operator in Python

Tipologia: Talk

Abstract: Il platform engineering è una disciplina che si concentra sulla creazione e gestione di piattaforme software self-service, fornendo agli sviluppatori gli strumenti e le infrastrutture necessarie per sviluppare e distribuire applicazioni in modo rapido e affidabile.

In questo ambito Kubernetes Engine non è solo un'ottima soluzione per ospitare le applicazioni finali ma può essere anche il punto di partenza per la creazione di prodotti SaaS o PaaS grazie alla sua estensibilità ed astrazione delle risorse hardware sottostanti.

Vediamo come è possibile sviluppare velocemente in Python, tramite l'utilizzo della libreria KOPF, dei Kubernetes Operator che permettano di automatizzare i processi di provisioning e gestione delle infrastrutture,

facendoli diventare parte integrante delle vostre soluzioni.

Gabriele Cestra

Titolo: Code Analysis: Assicurare Sicurezza e Qualità nell'Era dell'IA Generativa

Tipologia: Talk

Abstract: Ora che il vaso di Pandora dell'IA generativa nello sviluppo software è stato aperto, come possiamo assicurarci che il codice che scriviamo con il suo aiuto sia sicuro e di qualità?

Giacomo Ranieri

Titolo: Building your first Quantum Circuit

Tipologia: Workshop

Abstract: Have you ever heard of Quantum Computing? In recent years, interest has grown on this topic, but what's behind it?

In this workshop I will introduce you to the magical world of Quantum Computing and we will build your first quantum circuit together using Qiskit, the main library for quantum computing.

Giada Pastorino

Titolo: Soft Skills Die Hard

Tipologia: Talk

Abstract: Le Soft Skills fanno parte del nostro bagaglio culturale, familiare e sociale, fin dall'infanzia. Le sviluppiamo e utilizziamo tutti i giorni tutto il giorno, soprattutto sul lavoro, e ci permettono di interagire ed entrare in contatto con le persone che ci circondano.

Suddivise in due gruppi:

_Variabili: non sempre infallibili perché influenzate dal nostro stato d'animo, dalle persone e dall'ambiente con cui interagiamo

_Die hard: anche se non fanno parte del nostro bagaglio personale, grazie a validi strumenti, possono essere infallibili in tutte le situazioni

le andremo a vedere insieme per capirne l'importanza e l'attuabilità nella pratica.

Giovanna Galleno Malaga

Titolo: Back to YOUR Future & shape your success

Tipologia: Talk

Abstract: In this talk, we will explore the concept of designing your future by personalizing your journey, setting key goals, and identifying the actions that will trigger your success.

Join us to unlock the potential of your future.

Giuseppe Mastrandrea

Titolo: L'AI che parla la tua lingua

Tipologia: Workshop

Abstract: Certo, i modelli di Machine Learning sono fantastici e ci permettono di fare cose incredibili. Ma non sarebbe ancora più bello se potessimo interagire con loro in modo naturale, usando il nostro linguaggio?

In questo workshop, ci concentreremo proprio su questo: creare un modello personalizzato di Machine Learning in grado di risolvere un problema specifico e, soprattutto, di comunicare con noi usando il linguaggio naturale.

Attraverseremo tutte le fasi del processo, dal preprocessing dei dati alla selezione del modello, dall'addestramento al test. Impareremo come funziona il Machine Learning "classico", ma poi faremo un passo avanti: integreremo il nostro modello con OpenAI e i suoi potenti Large Language Model (LLM).

Grazie a LangChain, potremo creare un'Agentic Application, un'applicazione intelligente in grado di rispondere alle nostre domande e interagire con noi in modo naturale. Immaginate di poter fare una semplice domanda al vostro modello e ricevere una risposta completa e dettagliata, proprio come se steste parlando con un amico!

Serena Sensini

Titolo: From Flux Capacitors to Neural Networks: The Evolution of AI in Software Development

Tipologia: Talk

Abstract: This session will trace the evolution of AI technologies as pivotal tools in software development, akin to the flux capacitor's role in "Back to the Future." We will discuss the shift from traditional development methodologies to AI-driven approaches, highlighting how neural networks and automation are reshaping the industry. As last, we'll give a look on some insights into future trends and best practices for integrating AI into their development processes, ensuring they are well-equipped for the challenges ahead.

Mario Fusco

Titolo: Machine Learning + Symbolic Reasoning: A Quarkus story on Artificial Intelligence

Tipologia: Talk

Abstract:

Ivano Scifoni

Titolo: NET Aspire: Alla Conquista della Galassia dei Microservizi!

Tipologia: Talk

Abstract: Nella vastità dell'universo delle applicazioni distribuite, un nuovo eroe è emerso per guidare gli sviluppatori attraverso le stelle alla scoperta di mondi microservizi.

Unisciti a noi in un viaggio spettacolare mentre esploriamo .NET Aspire, il framework che ti farà sentire come se fossi il capitano della tua nave spaziale, guidando il tuo equipaggio di microservizi attraverso le galassie delle orchestrazioni cloud-native. Con componenti standardizzati come se fossero alieni di una federazione galattica e strumenti affilati come spade laser, .NET Aspire ti permetterà di creare applicazioni distribuite con la stessa agilità di un pilota di caccia stellare.

Preparati per un'avventura che ti porterà oltre la velocità della luce, dove ogni codice scritto è una pagina di un epico spazio-tempo del tuo progetto.

Che la forza (del codice) sia con te mentre affrontiamo insieme il futuro della programmazione cloud-native!

Jai Campbell

Titolo: Explore Site Reliability Engineering Best Practices with Gemini

Tipologia: Talk

Abstract: Elevate developer productivity in our AI & SRE focused session, leveraging Duet AI (Gemini) and GCP's native observability. I will discuss the challenges implementing SRE and introduce Gemini for Google Cloud. Explore a GKE-deployed e-commerce demo, unveiling Gemini prowess in assessment, troubleshooting, and suggesting improvements with native APIs. Enhancing SRE capabilities with increased team efficiency. Saving time in the cloud console and within IDEs.

Join us for a transformative experience.

Jemima Abu

Titolo: Accessibility as a concept

Tipologia: Talk

Abstract: Knowing how to build accessible products is important but it's just as important to know why we build products to be accessible. Basic human decency aside, there's a plethora of reasons for building products that everyone can use. In this talk, we'll explore the concept of accessibility in order to better understand its necessity and the ramifications involved in building non accessible products. We'll also answer pressing questions like "How do I know if this thing I built is accessible?" and "Whose job is it to ensure accessibility?" (Spoiler: it's everyone's job)

José Enrique Calderón Sanz

Titolo: Revolutionizing Collaboration: AI and Architecture Decisions

Tipologia: Talk

Abstract: In a rapidly evolving tech landscape, companies often struggle with undocumented architecture decisions and the absence of standards for even simple aspects like diagrams. This leads to confusion, inefficiency, and costly mistakes. In this thought-provoking talk, we examine the parallels between Gaudi's tragic loss of plans and

the challenges companies face without proper documentation. Delving into prevalent software architecture anti-patterns, we expose the industry's pitfalls. Discover the game-changing solution: Architecture Decision Records (ADRs), providing a clear history of decisions. Moreover, we explore the potential of harnessing Artificial Intelligence, specifically Large Language Models, to unlock the power of ADRs, enabling effortless access and querying of project details. Join us on this transformative journey towards enhanced collaboration, efficiency, and software engineering excellence.

TL;DR

What do you get from this talk?

Learn the importance of keeping track of your decisions. And give you some cool ideas of how to integrate ML / AI on it.

Why you should go to this talk?

The goal will be to demystify documentation as a boring tedious practice and to inspire developers with story telling to take actions beyond the code.

Juna Salviati

Titolo: Giochiamo a "Testa o croce" con Azure Quantum!

Tipologia: Talk

Abstract: Siamo abituati a pensare all'informatica come un "mondo fatto di uno e di zero": con l'introduzione del quantum computing questa visione viene ampliata con interessanti implicazioni. In questo talk esploreremo il mondo della computazione quantistica e scopriremo come utilizzare Azure Quantum ed il linguaggio Q# per simulare il lancio di una moneta.

Kate Smith

Titolo: Opera to Operations: An Artists Journey to Technical Product Operations

Tipologia: Talk

Abstract: After a decade as an opera singer, I was an artist for Opera di Firenze al Teatro Maggio Musicale Fiorentino, I learned how to code and became a developer. I now lead to inspire those who are either early-career or career changers to be motivated by their past experience or their habitual interests to motivate their developer work. Additionally, I share where developers can find resources to get started or expand their education, specifically with geospatial and/or cloud solutions.

Example: My foundation as a musician, understanding an audience's (users) wants/needs/and desired outcomes, delivering a product with the functions that solve a problem, and creating accessible content that impacts the world for good, aligns with what I now do as a Customer Experience/ Developer Solutions PgM for Google Maps Platform. I have launched over a dozen new or updated products for Google Maps Platform this year and have overseen the product building guides, user journey, and library accessibility for developers to build their solutions with these hot new products. (3D Maps with Maps JavaScript API, Gemini for Places API, Data-driven styling for datasets)... to name a few.

Luca Corbucci

Titolo: AI's Hidden Cost: The Environmental Impact of Machine Learning

Tipologia: Talk

Abstract: The rise of Generative AI has led us to use tools that are slowly changing how we work.

Training the AI models demands significant resources, including vast amounts of water and energy. In this talk, we'll uncover the hidden costs of AI on the environment and discuss solutions that have emerged in recent years.

Join me in exploring how to make AI more sustainable and discovering how we can reduce its environmental impact while continuing to advance the field.

Maurizio Argoneto

Titolo: The Open Source Way: Building and Sustaining Active Communities

Tipologia: Talk

Abstract: In the world of software development, the ethos of open source—characterized by collaboration, transparency, and community involvement—has proven to be a powerful model for innovation. Drawing inspiration from Eric S. Raymond's seminal work, "The Cathedral and the Bazaar," this talk explores how the underlying principles of open source can be creatively adapted to enhance community management within tech and developer groups.

As a seasoned community manager and leader of various technology-focused groups, I will guide you through the journey of applying open source philosophies to community engagement and leadership. We will delve into the importance of treating community members as co-developers, the benefits of maintaining an open channel of communication, and the strategies for iterative improvement based on collective feedback.

Maurizio Ipsale

Titolo: 88 mph to FinOps: Accelerating Cloud Cost Control in Google Cloud

Tipologia: Talk

Abstract: Great Scott! Managing cloud costs can feel like riding in a DeLorean jumping through time—but with FinOps, we can steer our cloud budget's future. In this session, we'll hit 88 MPH and cover the basics of FinOps, a way to keep cloud spending and performance in check in Google Cloud. Using tools fit for Doc Brown, you'll learn to predict costs, manage resources better, and avoid budget 'lightning strikes' that could throw your projects off course. Get ready to travel into the future of cloud financial management—no plutonium needed!

Michelantonio Trizio

Titolo: Evoluzione dei Motori di Ricerca: Il Ruolo Critico del RAG e dell'IA

Tipologia: Talk

Abstract: Questo talk esplora il ruolo trasformativo del Retrieval-Augmented Generation (RAG) e dell'Intelligenza Artificiale (IA) nei motori di ricerca moderni. Dopo una breve riepilogo del funzionamento dei motori di ricerca tradizionali, affronteremo una panoramica dettagliata delle tecnologie dei RAG e IA, delineando i principi fondamentali e le modalità di integrazione nei sistemi di ricerca attuali prendendo come esempio Langchain.

Successivamente, analizzeremo l'impatto di queste tecnologie sul miglioramento della precisione, della velocità e della personalizzazione nelle esperienze di ricerca, supportato da casi di studio e metriche di performance. Discuteremo le sfide tecniche, inclusi i problemi di scalabilità e sicurezza dei dati. Infine vedremo come queste tecnologie stiano configurando il futuro dei motori di ricerca, con un'attenzione particolare alle innovazioni in corso e alle potenziali applicazioni future. Questo talk è destinato a offrire agli ascoltatori una panoramica completa delle potenzialità e delle sfide che l'AI sta apportando nel mondo del information retrieval.

Takeaways:

- Comprensione delle tecnologie dei motori di ricerca tradizionali e tramite l'uso della AI generativa con esempi pratici
- Impatto delle innovazioni sulla qualità dell'information retrieval
- Sguardo alle sfide ed alle opportunità future

Natalie Godec

Titolo: Building a cloud-native data platform with security in mind

Tipologia: Talk

Abstract: In today's world data is king. It is everywhere, collected seemingly by everyone, yet many industries lack a good data platform. Cloud technologies enable us to build robust, scalable, and easy-to-use platforms quickly, but one might wonder whether storing sensitive data in the cloud is safe. And the answer is - yes! In this talk, we will explore the technical principles of securing a cloud data platform, look at examples in AWS and GCP, and discuss regulatory and compliance requirements.

Nicola Guglielmi

Titolo: Dica 33... observability in Google Cloud and beyond!

Tipologia: Talk

Abstract: Nei complessi ambienti cloud, multi cloud ed ibridi, ottenere una visibilità completa delle componenti delle architetture è fondamentale per mantenere prestazioni e affidabilità al top nelle applicazioni.

Esploreremo la suite Google Cloud che consente di gestire da semplici monitoraggi e logging a complesse analisi sullo stato di un'applicazione e sull'eventuale insorgenza di problemi.

Approfondiremo il governo dell'applicazione con tool che forniscono informazioni ai team di sviluppo per migliorare le performance e l'affidabilità dell'applicazione e daremo uno sguardo a soluzioni cloud agnostiche adatte ad un approccio multi cloud ed ibrido.

Paolo Insogna

Titolo: How to create a QR codes rendering service using Platformatic

Tipologia: Talk

Abstract: Despite being 30 years old, QR codes have only recently started becoming widely used in mainstream applications, thanks to the availability of mobile phones and ease of implementation.

Have you ever wondered how these codes work? How hard would it be to implement a rendering service?

Bear with me on this amazing journey where I will show you how Platformatic makes it very easy to create a QR code rendering service in just a few minutes.

Riccardo Carlesso

Titolo: News Crawler via Langchain.RB and Gemini APIs

Tipologia: Talk

Abstract: How can we get an LLM to be updated to today's news?

Gen AI is great at answering questions.. from the past. After the LLM was trained, all you can do is RAG.

How about crawling the web for latest news with Gemini for multimodal extraction and offering summarization by your favorite topic?

It all gets more exciting thanks to Andrei's langchainrb gem.

Riccardo Carlesso

Titolo: Pragmatic AppMod: take an old PHP project and make it 12-factor compliant on GCP

Tipologia: Workshop

Abstract: Hai una vecchia applicazione del 2010 da rottamare, Java8, Rails, PHP, magari ColdFusion? Hai le password in chiaro in ogni file e ti vergogni a far vedere il codice al tuo amico programmatore per paura che ti tolga il saluto? Niente paura! Gli amici di Google ti guideranno passo a passo a prendere un'applicazione e modernizzarla (la cosiddetta "AppMod").

Sasha Denisov

Titolo: GenAI fireside chat in your Mobile/Web app

Tipologia: Workshop

Abstract: In this talk, I'm going to explore the new world of Gemini technology. First, I'll introduce you to what Gemini is all about, highlighting its cool new features and the amazing possibilities it offers. I'll explain why Gemini is different from what we've seen before and how it can help make your apps better than ever.

Then, we'll move on to the practical stuff. We all know AI is a big deal nowadays, so we'll show you how to get Gemini AI working with your Mobile or Web apps. We're going to use some tools like AI Studio API and Vertex AI API, and we'll even try running AI models right on your device. After that, we'll see how Gemini AI can work together with ChatGPT API, comparing what each can do.

To wrap it up, we'll build an app where these AIs talk to each other near fireside with glass of wine, without us having to do anything.

By the end of this talk, you'll see a cool example of what happens when AIs get to work together, giving you a peek into the future of app development.

Sasha Denisov

Titolo: On-Device fine-tuned Gemma in your Flutter app

Tipologia: Talk

Abstract: In this talk, I will describe how to fine-tune Gemma for your own purposes (for example for specific business or technical area) and how to use it locally in your Flutter app using my flutter_gemma plugin, that based on the Mediapipe native library. So this approach provides opportunity to use AI in your app without internet connection.

To show how it can work, I developed an application where the tuned for conversational purposes Gemma chats with Gemini and ChatGPT nearby fireside, with glass of sake (or cup of tea), directly on the device.

This talk will cover the technical steps necessary to achieve this integration, from setting up the development environment to implementing the application's core features. Attendees will learn how to leverage these advanced AI technologies to create interactive, conversational applications on mobile devices even if they have no connection at all

Simone Summo

Titolo: ADHD e Codice: Superare le Barriere Invisibili

Tipologia: Talk

Abstract: Nello sviluppo software ogni riga di codice è un'opportunità per innovare e risolvere problemi. Tuttavia, per chi convive con l'ADHD, ci sono sfide nascoste che possono

compromettere il successo professionale. Racconterò in breve la mia esperienza quotidiana, esplorando le diverse difficoltà come l'organizzazione del lavoro o la gestione dell'attenzione, condividendo alcune strategie messe in atto per creare un ambiente di lavoro più inclusivo e collaborativo, considerando quali di queste portino benefici anche per l'intero team.

Soumaya Erradi

Titolo: Web3 debugging and error handling

Tipologia: Talk

Abstract: Dealing with smart contracts can sometimes be frustrating, especially for web developers unfamiliar with "web3 errors". Understanding why transactions fail can be particularly challenging. In this talk, we will discover some tools that are really helpful for debugging failing contract calls. This will help us understand the most common web3 errors and clarify some of the perplexing issues like the "Cannot estimate gas" error that 99% of the time doesn't have anything to do with gas limit.

Stefano D'Alessandro

Titolo: E se Taiichi Ono e John DeLorean si fossero incontrati il 24 Ottobre 1975?

Tipologia: Talk

Abstract: Un viaggio nel tempo per esplorare un "e se?" affascinante: cosa sarebbe accaduto se John DeLorean avesse avuto l'opportunità di apprendere i principi del Toyota Production System? In questo talk scoprirai come un semplice incontro avrebbe potuto trasformare il destino della DeLorean DMC-12 ma soprattutto, come puoi utilizzare OGGI le metodologie Lean (Startup, Thinking, Manufacturing) per la creazione e validazione delle tue idee di business in modo rapido ed efficiente. Grande Giove!

Stefano Le Pera

Titolo: GDG Academy

Tipologia: Talk

Abstract: GDG Academy is a mentorship program for university students which is evolving into a community within the remit of Google Communities.

I'm going to talk about how the program works and how it started, the story behind it and the lessons learned so far.

Lastly, I'll reveal what's next in 2025.

Tania Di Mascio

Titolo: Next Level: Reshaping the Gaming Design for Adolescents

Tipologia: Talk

Abstract: Within the core of the fourth industrial revolution, the pervasive nature of digital technologies is critically influencing adolescent development. Video games and IT tools, central to this paradigm, pose significant challenges regarding their potential negative impacts.

An aware and responsible approach to design could represent a pivotable juncture in the relation between video games and adolescents. It might even catalyze a paradigm shift wherein technology assumes a novel role as an exogenous modulator of the intrinsic characteristics that govern adolescent cognitive and endogenous development.

This presentation delves into the intersection of neuroscience and technology, describing how the developmental trajectory of the cerebral cortex during adolescence may be adversely impacted not only by excessive exposure to social media, online pornography, alcohol, and drugs but also through gaming practices that lack deliberate design. Moreover, the presentation will explore the ramifications of designs that neglect mindfulness and accountability, such as addiction, distorted future perceptions, and developmental delays in cerebral maturation, assessing how these factors impose burdens on both individual and societal levels as well as the broader economic landscape. Finally, the presentation will introduce an alternative design methodology for video games that integrates essential aspects for fostering healthy adolescent development, advocating for positive, sustainable routines through a consciously aware design approach.

Ume Habiba

Titolo: The Effects of AI on the World

Tipologia: Talk

Abstract: Artificial Intelligence holds massive potential for addressing climate change, promising both positive impacts and posing challenges. On the positive side, AI can optimize energy usage in various sectors by improving the efficiency of systems such as smart grids, which dynamically balance electricity supply and demand, and smart buildings, which use AI to reduce energy consumption. Additionally, AI driven innovations in material science can lead to the creation of more efficient batteries and renewable technologies, significantly cutting down greenhouse gas emissions. On the flip side, though, AI systems, particularly large models, require the usage of substantial computational power which can lead to significant carbon footprints if powered by non renewable energy sources. Additionally, as AI technology accelerates automation, it could lead to increased energy demands. The future impact of AI on climate will largely depend on policy decisions and technological advancements that prioritize sustainability. By steering AI development towards environmental goals, we can harness its potential to monitor ecological changes, predict environmental risks, and contribute to sustainable practices globally, thus playing a crucial role in mitigating climate change.

Percorsi consigliati

Corso di Laurea in Economia e Informatica per l’Impresa

Venerdì, 8 novembre 2024 - Workshop

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
09.30			Riccardo Carlesso Pragmatic AppMod: take an old PHP project and make it 12-factor compliant on GCP	
14.00			Giuseppe Mastrandrea L'AI che parla la tua lingua	

Sabato, 9 novembre 2024 - Conferenza

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
09.30	GDG Pescara Opening			
10.20			Cleyra Uzcategui Crafting a Dev-licious Online Presence – Personal Branding for Developers	
11.10			Kate Smith Opera to Operations: An Artists Journey to Technical Product Operations	
12.00			Alfonso Graziano The Staff Engineer VS Manager Path: A window over the tech career paths	

14.00				
14.50		Maurizio Ipsale 88 mph to FinOps: Accelerating Cloud Cost Control in Google Cloud		Giovanna Galleno Malaga Back to YOUR Future & shape your success
15.40				Giada Pastorino Soft Skills Die Hard
16.55		Stefano D'Alessandro E se Taiichi Ono e John DeLorean si fossero incontrati il 24 Ottobre 1975?		
17.45		Stefano Le Pera GDG Academy		

Domenica, 10 novembre 2024 - Conferenza

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
10.00		Simone Summo ADHD e Codice: Superare le Barriere Invisibili		
10.50		Tania Di Mascio Next Level: Reshaping the Gaming Design for Adolescents		
11.40		Maurizio Argoneto The Open Source Way: Building and Sustaining Active Communities		
12.40	GDG Pescara Closing			

Corso di Laurea in Economia e Business Analytics

Venerdì, 8 novembre 2024 - Workshop

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Sabato, 9 novembre 2024 - Conferenza

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10.20	Eyal Wirsansky Unlocking the Secrets of the Mystery-Word Game: A Journey Through NLP and Genetic Algorithms			
11.10	Riccardo Carlesso News Crawler via Langchain.RB and Gemini APIs			
12.00	Colette Grail From Data Points to Predictive Analytics: creating your personal Digital Nervous System Health			
14.00	Serena Sensini From Flux Capacitors to Neural Networks: The Evolution of AI in Software Development			
14.50				Giovanna Galleno Malaga Back to YOUR Future & shape your success
15.40				Giada Pastorino Soft Skills Die Hard
16.55	José Enrique Calderón Sanz Revolutionizing			

	Collaboration: AI and Architecture Decisions			
17.45	Gabriele Cestra Code Analysis: Assicurare Sicurezza e Qualità nell'Era dell'IA Generativa			

Domenica, 10 novembre 2024 - Conferenza

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
10.00	Luca Corbucci AI's Hidden Cost: The Environmental Impact of Machine Learning			
10.50	Michelantonio Trizio Evoluzione dei Motori di Ricerca: Il Ruolo Critico del RAG e dell'IA			
11.40	Alfredo Morresi Bringing Fictional Characters to Life with Open Source LLMs			
12.40	GDG Pescara Closing			

Architettura e Design

Venerdì, 8 novembre 2024 - Workshop

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
09.30				
14.00		Alessandro Vizzarro Sviluppo Gaming 2D with Unity 3D		

Sabato, 9 novembre 2024 - Conferenza

	Sala D'Annunzio	Sala Tosti	Sala Flaiano	Sala Europaurum
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	Opening			
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