

# Santiago Scalzadonna

## Executive Summary

> Senior DevOps / Cloud Platform Engineer with **10+** years designing, automating, and operating **cloud-native infrastructures** across public cloud and on-premises environments, including **Kubernetes** and other container platforms, leveraging **20 years of overall software engineering experience**.

> Specialized in **EKS, Terraform-based IaC, CI/CD pipelines (Jenkins, GitHub Actions, ArgoCD, Kargo)** and **Linux-based production environments**, with a strong focus on scalability, security and cost-effective reliability.

> Experienced collaborating with distributed, cross-functional teams to deliver resilient platforms for enterprises and international organizations, including transportation, automotive, media and SaaS companies as well as several United Nations agencies.

## Education

- **Postgraduate Degree, Artificial Intelligence with Deep Learning** (Oct 2025 – Mar 2026)

  UPC School – Universitat Politècnica de Catalunya
- **Postgraduate Degree, Cloud Native Architecture** (Feb 2023 – Jul 2023)

  UPC School – Universitat Politècnica de Catalunya
- **Associate Degree in Software Engineering** (2012 – 2015)

  Universidad Empresarial Siglo 21 – Computer Software Engineering
- **Associate Degree in Systems Engineering** (2004 – 2010)

  Universidad Tecnológica Nacional – Computer / IT Administration and Management
- **Bachelor’s Degree in Business Administration for SMEs** (2008 – 2009)

  Universidad Nacional de Córdoba – Business Administration, Management and Operations

## Industry Certifications

- DeepLearning.AI Data Engineering Professional (2025)
- HashiCorp Terraform Associate (2024)
- AWS Certified Solutions Architect – Associate (2023)
- Certified Kubernetes Administrator (CKA) (2021)
- Information Visualization Specialization (NYU) (2019)

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# Professional Experience

## Core Skills

- **Cloud & Containers:** AWS (EKS, ECS, EC2, RDS, S3, VPC), Kubernetes, Docker, serverless architectures.
- **Software Engineering:** Python, Bash and modern web technologies applied to platform, automation and tooling development.
- **Infrastructure as Code & Automation:** Terraform, CI/CD, GitHub Actions, ArgoCD, Crossplane, Kargo, scripting languages.
- **Reliability & Operations:** SRE practices, monitoring and observability, OpenTelemetry, incident management, multi-region deployments, security hardening and vulnerability scanning.
- **Cloud Platforms:** AWS/GCP/Azure cloud environments. Linux, webservers, DBs.

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## Senior Research Engineer

***Barcelona Supercomputing Center**, Barcelona, Spain – (Oct 2026 - Present)*

- Designing and building data platform services for dataset and model publication, data hubs, metadata management, and AI-ready data workflows.
- Developing and automating workflows for HPC and AI workloads, bridging cloud-native practices with high-performance computing environments.
- Contributing to the convergence of Kubernetes and HPC, including work with schedulers, GPU-enabled infrastructure, and batch/workload orchestration.
- Building and supporting Trusted Research Environments (TREs), with a focus on secure access, data governance, and compliance-aware architectures
- Providing technical consultancy and hands-on support to help organizations adopt AI technologies, access advanced computing resources, and build responsible AI solutions.
- Collaborating with research, engineering, and data teams to deliver robust, reusable infrastructure that supports the BSC AI Factory's mission of turning AI into real impact across Europe.

## Senior DevOps / Cloud Engineer

***Boats Group**, Barcelona, Spain – (Sep 2024 - Oct 2026)*

- Manage AWS infrastructure including EKS clusters, RDS databases and serverless workloads, ensuring secure, scalable multi-region environments.
- Implement and maintain Terraform-based Infrastructure as Code for consistent provisioning and change management.
- Design and operate CI/CD pipelines using GitHub, Jenkins and ArgoCD to deploy containerized applications on Kubernetes with strong focus on reliability and security hardening.

## Platform Engineer

***SEAT CODE**, Barcelona, Spain – (Jun 2022 - Sep 2024)*

- Architect and implement scalable, secure cloud platform solutions for multiple product teams.
- Collaborate with development squads to integrate and deploy applications on cloud-native infrastructure using CI/CD and automation patterns.
- Kubernetes clusters setup, configuration and maintenance using latest CNCF technologies enabling fast delivery and resilence for enterprise class workloads.
- Define and enforce security controls and performance best practices to optimize reliability, throughput and cost usage across environments.

## Cloud Platform Administrator

***United Nations ICC**, Worldwide (remote) – (Apr 2021 - Apr 2022)*

- Build and implementation of cloud native infrastructure using latest open source technologies.
- Analyze, assess, adapt, manage incidents and governance for workloads both in public and private clouds.
- Manage code, data, users and SLA's for different United Nations software projects ranging from agriculture, commerce and education to intelligence and cybersecurity agencies.
- Implement deployment automation and platform improvements to support diverse UN software projects.

## Cloud Solution Engineer

***Logicalis**, Barcelona, Spain – (Sep 2020 - Mar 2021)*

- As part of CaixaBank's Public Cloud Governance unit, I work with infrastructure teams and cloud engineers to develop solutions that optimize and provide oversight of multi-cloud solutions adoption and usage among the organization.
- Design and build tools for visualization, observability, reporting, automation and governance for public cloud / SaaS solutions consumption trends and incident management.
- Empower teams to make effective data-driven decisions around cost savings and smart provisioning of the cloud solutions provided by AWS, Azure, IBM and Google Cloud.
- Perform coaching of junior developers, frequent pair and mob programming sessions, while working with senior engineers to define roadmaps and prioritize new features.

## DevOps/SRE Engineer

***YouBIM**, California, USA (remote) – (May 2015 - Jul 2020)*

- Operate highly available, scalable, fault-tolerant systems on AWS, using EC2, RDS, S3 and VPC as core building blocks.
- Build and manage CI/CD pipelines with Jenkins, Artifactory/Nexus and version control (git/GitHub) to support development and testing workflows.
- Use Docker and configuration management tools (Ansible, Terraform) to automate deployments; provide technical mentoring to junior engineers.

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# Additional Experience (condensed)

## Cloud, Data & Full-Stack Freelance Roles

***Freelance**, Various clients US & EU (remote) – (2011 - 2019)*

- Developed web applications, data dashboards and visualizations for clients in retail, transport, telecommunications and entertainment sectors.
- Maintained and enhanced websites and e-commerce systems (WordPress, Joomla, Magento, Shopify, Prestashop), including performance and SEO improvements.
- Provided site reliability and maintenance services for web and e-commerce platforms, handling deployments, backups and server administration on Linux/Windows and cloud/on-prem environments.

## Earlier Software Engineering Roles (Pre-DevOps)

*Multiple companies - ARG / US / Remote – (2007 - 2015)*

- Held Java/Java EE developer and front-end engineering roles at organizations including QPlus Consultores, eSolutions, Motorola Mobility, WiCom, Nexius and TradeHelm.
- Focused on enterprise information systems, telecom and media projects, building web applications, integrations and real-time dashboards, which laid the foundation for later DevOps and platform work

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