



# Marco Santonastaso

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## CONTACT

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## INTRODUCTION

Highly skilled and dynamic DevOps and Site Reliability Engineer with a passion for Automation, Continuous Integration and Continuous Delivery. Dedicated and motivated Software Developer with a degree in Engineering & Computer Science and a strong programming background, seeking to apply his problem-solving skills and deep analytical thinking as a DevOps Engineer.

## KEY SKILLS & COMPETENCIES

- Software Development background - Go, Java, JavaScript, C, Python, Nix
- Cloud native and multi provider experience - AWS certified, Azure, GCP
- CI/CD pipelines and Infrastructure as Code expertise - Azure DevOps, Github Actions, Argo, Terraform
- Proficient in containerization and containers orchestration - Docker, Kubernetes (CKA), Helm
- Strong team-worker & self-driven learner, keen attention to details

## WORK EXPERIENCE

### Evolvere Technologies

Oct 2022 — July 2024

#### DevOps Engineer

- Designed and implemented a code execution platform in Go, based on Kubernetes APIs to leverage and expand its functionalities providing granular RBAC control with PostgreSQL and Active Directory based authentication.
- Enabled CI/CD practices developing GitHub Actions pipelines, Python scripts, Kubernetes manifests and Helm charts for fully automated version releases.
- Managed AWS services and resource provisioning with Terraform including EC2 instances, RDS databases, S3 buckets, metrics and traces with CloudWatch, based on project needs.
- Implemented security best practices including least-privilege principle through identity and access management (IAM), security groups and network ACLs.

### Ensono Digital

Dec 2020 — Oct 2022

#### Site Reliability Engineer

- Led source code re-structure building stronger CI/CD pipelines, refactoring Terraform code into reusable modules and authoring Shell scripts.
- Extended observability implementing Workbooks and Dashboards; improved Azure Monitoring maintaining system health and performance metrics with alerts and reducing noise in logging and errors reporting.
- Improved client's security with encrypted environment variables and secrets handling via Mozilla SOPS, bundled into automated Azure DevOps pipelines.
- Ensured high security standards performing Penetration Testing for clients and internal Networks.

## AltoStack

Nov 2019 — Nov 2020

### DevOps Engineer

- Performed infrastructures migration from AWS to Microsoft Azure maintaining efficiency and immutability of resources, improved Kubernetes manifests and Helm charts for Node and React applications.
- Maintained reusable Terraform modules for each component of the platform: Networking, Storage, Compute, Application Integration and Secrets Management.
- Worked with software development groups in Agile environments utilising cutting edge technologies and ensured they had robust pipelines and required facilities for application developments and flawless deployments.

## G-Research

July 2018 — Sept 2019

### Identity and Access Management Developer

- Owned and designed Terraform integration with Okta Cloud Identity and implemented the provider plugin in Go.
- Developed REST API with focus on backend security and structured CI/CD pipelines utilising Jenkins.
- Managed digital identities lifecycle (Joiner, Mover, Leaver) with Sailpoint IdentityIQ and coded Java integrations with third party software GIT, JIRA, Active Directory.

## 3D Compare

Sept 2017 — July 2018

### FullStack Developer

- Implemented and maintained most of the website functionalities in Node, creating a platform where sellers and customers can process and update orders.
- Designed and structured MongoDB schemas for user management and implemented roles resulting in different access to the dashboards.
- Ensured backend security, data protection and prevented vulnerabilities with version updates and code revisions.

## CERTIFICATIONS & EDUCATION

### Certified Kubernetes Administrator (CKA)

The Linux Foundation

### AWS Cloud Practitioner

Amazon Web Services

### Engineering in Computer Science

Sept 2013 — May 2017

University of Rome "La Sapienza"

- Software Development - Programming
- Algorithms Knowledge - Complexity Analysis
- Network Infrastructure - Communications

## ADDITIONAL SKILLS & INTERESTS

- Languages: Italian - Native, English - fluent
- NixOS user, Voron builder, guitar player, runner, yoga