



# 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

- Multiple coding language background - Go, Java, JavaScript, C, Python, Nix, Lua
- Cloud native and multi provider experience - AWS certified, Azure, GCP
- CI/CD pipelines and Infrastructure as Code expertise - Azure DevOps, Github Actions, Terraform
- Proficient in containerisation and containers orchestration - Docker, Kubernetes (CKA), Helm
- Windows & UNIX knowledge, shell and scripts writing experience – SysAdmin
- Strong team-worker & self-driven learner, keen attention to details

## WORK EXPERIENCE

### Evolvere Technologies

Oct 2022 — Present

DevOps Engineer

- Designed and implemented Golang application for Network Automation code execution, based on Kubernetes APIs to leverage and expand its functionalities.
- The App offers granular RBAC control with local PostgreSQL or Active Directory based authentication.
- Enabled CI/CD practices implementing GitHub Actions pipelines and writing Helm charts for fully automated version releases.
- Improved clients' Network Automation and inventory management with Shell scripts and Ansible Playbooks.

### Amido

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 automation scripts.
- Extended the team's observability capabilities implementing GCP cloud errors reporting integration for Node applications and configuring dashboards and alerts.
- Improved client's security with encrypted environment variables and secrets handling via Mozilla SOPS, bundled into automated 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: CI, Monitoring, Logging, Service Discovery 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