Alfonso Fortunato

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SUMMARY

Alfonso is DevOps professional with extensive experience in automating CI/CD processes, optimizing security, and managing scalable systems. Passionate about leveraging in-depth technical expertise to improve infrastructure and operations, with a proven track record of driving efficiency for mid-scale systems.

EXPERIENCE

DevOps Engineer

Fincons Group AG   **March 2025 - Present, Lugano, Switzerland**

· Managed and improved an internal company product used by over 10,000 users daily for Switzerland's largest bank. Optimised CI/CD pipelines for high-availability banking applications through automation of deployment and monitoring tools, boosting system reliability and speeding up delivery.
· Led the migration from more than 30 on-premises servers to five Kubernetes clusters across development to production environments, handling infrastructure setup, including cluster provisioning and application deployment (configuration and secrets).
· Standardised environment setup and secret management by implementing secure vault integrations and templating across multiple Kubernetes clusters, ensuring compliance and protecting sensitive financial data.
· Upgraded log aggregation and monitoring systems by adopting centralised observability solutions, facilitating swift incident response and improving operational oversight for microservices supporting vital financial platforms.

DevSecOps Engineer

Reevo SpA   **June 2024 - March 2025, Milan, IT**

· Designed and implemented a complete CI/CD pipeline for the Italian public administration, integrating security tools (Snyk, Sysdig, Trivy) to enable real-time vulnerability detection and resolution. These tools promoted best security practices by adopting a shift-left approach and runtime security.
· Developed a pipeline to automatically patch OS vulnerabilities in container images, utilising tools such as Copacetic, Trivy, Syft, and Cosign. This solution enabled vulnerability scanning for customer base images, reducing CVEs by patching hundreds of images, with automated reporting, signature verification, and email alerts.
· Designed and implemented a complete on-premises infrastructure on the Reevo Cloud, featuring a GitLab and Kubernetes cluster managed through Infrastructure as Code (IaC) with Ansible, Helm, and Kustomize. The installed Kubernetes distribution was a CNCF-certified Fury Distribution, while the GitLab instance was deployed on-premises. Additional tools, including MongoDB, PostgreSQL, and Kafka, were deployed within the cluster using Kustomize and Helm.
· Integrated Harbor as a container image registry with comprehensive vulnerability scanning and artifact lifecycle management, enabling secure storage and automated image promotion workflows within highly regulated environments.

Cloud Native Engineer

Kiratech   **January 2022 - June 2024, Verona, IT**

· Conceptualized and built a comprehensive internal developer platform, established GitOps infrastructure, and implemented CI/CD pipelines on AzureDevOps for a bank.
· Developed custom templates for provisioning AKS clusters and managing the full application lifecycle with ArgoCD, serving dozens of developers.
· Maintained the CloudBees CI enterprise platform for an insurance company, supporting over 22,000 builds per week with manual horizontal scaling on OpenShift (versions 3.x and 4.x).
· Developed and maintained dozens of diverse pipelines across multiple languages, including Java, Python, and Golang.
· Built Jenkins servers (master/slave), SonarQube servers, and CI/CD processes for a courier company, managing hundreds of builds per day using Groovy and Jenkins DSL.
· Designed and developed a tailored edge computing workload solution for hundreds of customers. This encompassed crafting custom immutable ISO images with Kairos, Gitlab CI/CD, as well as creating a complete Infrastructure as Code (IaC) framework using ArgoCD and Terraform.

Software Engineer

Accenture   **January 2020 - January 2022, Naples, IT**

· Designed and implemented backend solutions for multiple client using Java Spring boot and the Quarkus framework.
· Developed the Aldi eCommerce site with AEM framework for the Germany region, serving thousands of customers a day.
· Investigated the performance of the Vodacom South Africa site through Dynatrace and New Relic. Then, I reduced the DOM rendering of the product detail page, reducing it from 4s to less than 1s by changing the Graphql POST to GET request. This resulted in a decrease in the average response time from 3sec to less than 1sec of all the pages.
· Built and ran customized Gatling performance scripts for multiple customer's e-commerce sites. Given detailed reports and suggested different ways of improvements.

Software Engineer

Engineering SPA   June 2019 – Jan 2020 - January 2020, Naples, IT

· Developed multiple portals for Italian public administrations, with expertise in container infrastructure, backend (Java/Spring Boot), and frontend development (Angular).
· Integrated API gateways to streamline authentication and authorization workflows, enhancing interoperability between frontend Angular modules and backend Java/Spring Boot services for public sector platforms.

PROJECT

Personal Blog

Blog · alfonsofortunato.com · July 2025 – Present

· Configured and deployed a personal blog using the Hugo static site generator, leveraging Netlify for hosting and Cloudflare for DNS and domain management
· Implemented a custom blog theme with advanced CSS and configuration modifications to achieve desired branding and visual appeal
· Automated build and deployment process through version control integration, ensuring continuous delivery of updates via the Hugo and Netlify platforms

EDUCATION

BS in Computer and Information Science

University degli Studi di Salerno · Salerno, Italy · 2017

CERTIFICATIONS

Snyk Certified Technical Professional

Snyk · 2024

Snyk Certified Sales Professional

Snyk · 2024

Certified Kubernetes Application Developer

Cloud Native Foundation · 2024

Certified Kubernetes Administrator

Cloud Native Foundation · 2023

SKILLS

Java, Groovy, Python, Golang, Bash, Lua, Rust,

Kubernetes, Nomad, Crossplane, OperatorSDK, ArgoCD, Snyk, Trivy, Sysdig, Terraform, FluxCD

Jenkins, Gitlab, Git, Github, Cloudbees CI, Bitbucket, Azure, Aws, Azure DevOps, AKS, EKS, Grafana, Prometheus, Loki, Kairos, Kubebuilder, Gatling, Dynatrace, OpenSearch, Copacetic, Syft, Cosign, Buildkit