

Davide Rutigliano

SENIOR SOFTWARE ENGINEER · Italy

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Summary

Platform Engineer who identifies systemic infrastructure gaps, designs missing abstractions, and ships production-grade solutions adopted across teams and environments.

Experience

SUSE

Remote, Italy

Senior Platform Engineer

2025 – Present

- Own cross-cutting platform initiatives spanning Kubernetes, virtualization, observability, and asset governance, with responsibility for greenfield design, production readiness, and long-term maintainability.
- Optimized platform efficiency achieving a 62% reduction in infrastructure costs (\$100K+ annual savings), by architecting and deploying Kubernetes Cluster Auto-scaling with Cluster API on multi-cloud (AWS, GCP, On-Prem) platform.
- Architected and delivered the SUSE Observability MCP Server from greenfield idea to MVP, embedding LLM-driven analysis directly into the alerting pipeline; recognized by senior leadership for production hardening and roadmap inclusion.
- Designed and implemented a Kubernetes operator to orchestrate large-scale virtual machine migrations from KVM to Harvester, enabling the migration of 100+ VMs; a transition that was not operationally feasible without custom orchestration.
- Provided technical direction, design reviews and mentorship for platform engineers, influencing architectural decisions across multiple domains and initiatives.

Platform Engineer

2025 – 2025

- Designed and implemented a custom Kubernetes operator to synchronize VLAN and virtual machine assets into NetBox, establishing a single source of truth for infrastructure inventory and restoring governance over VM and network assets previously unmanaged at scale.
- Engineered GPU observability solution for RKE2 and Harvester/KubeVirt clusters, enabling fine-grained monitoring of NVIDIA A2/H100 with MIG and vGPU segmentation, to support pre-sales PoCs improving HPC hardware utilization monitoring.
- Architected migration from Prometheus/Grafana stack to SUSE Observability (StackState) for federated multi-cluster observability, cutting troubleshooting time by 25% and improving system health visibility during customer demos.
- Led cloud architecture evolution across AWS, GCP, and Azure for enterprise migrations, aligning Cloud Landing Zone (CLZ) design with strategic requirements, acting as advisor to internal customers.

Stack: Rancher, Harvester, Longhorn, Prometheus, Grafana, OpenTelemetry, CloudWatch, EKS, GKE, Kubernetes, Docker, Helm, Salt, CloudFormation, Terraform, Ansible, GitOps, Flux, ArgoCD, Fleet, Kubewarden, GPU, NetApp, S3, IAM, VPC, Go, Rust

ERICSSON

Pagani, Italy

Devops Engineer Team Lead

2023 – 2024

- Led team of 5 engineers in designing Internal Developer Portal (IDP) based on Spotify Backstage, improving developer efficiency by 25% through self-services. Evangelized portal usage and adoption of best practices.

DevOps Engineer

2022 – 2023

- Engineered an ML-driven solution for automated Kubernetes microservice performance optimization of an entire cloud application, reducing the engineering time required to fine-tune applications configuration from weeks to days.

Cloud Engineer

2021 – 2022

- Optimized Ericsson Licensing solution footprint by 25% deploying auto-scaling and fine-tuning resources configuration, leading to a throughput increase of 10%.

Stack: Python, Go, Java, REST API, GraphQL, PostgreSQL, Cassandra, Minio (S3), Kafka, Zookeeper, NATS, TDD, DDD, Event Driven (EDA), Kubernetes, Openshift, Docker, Helm, GitLab CI, Jenkins, Spinnaker, CICD, Gatekeeper (OPA), Backstage

CISCO

Vimercate, Italy

ML Engineer

2020 – 2021

- Designed and implemented ML-based solution for optical devices troubleshooting, improving defect detection by a 2x factor.

Stack: Python, Tensorflow, Computer Vision, Pandas, Plotly, Data Visualization

Education

Master Degree in Computer Engineering

Milan, Italy

Politecnico di Milano

2018 – 2020

Bachelor Degree in Computer Engineering

Fisciano, Italy

Università degli Studi di Salerno

2014 – 2018

Skills

CLOUD/INFRA: GCP, AWS, Azure, Storage, Networking, CDN, HPC (GPU), Databases, Kubernetes, Docker, Helm, Observability

SRE/DEVOPS: Monitoring, Alerting, Incident Response, On-Call, Root Cause Analysis (RCA), GitOps, IaC, CI/CD, Go, Python