Enrico Mostacci

DevOps Engineer

Turin, Italy hello@cheaptrunk.dev

PROFESSIONAL EXPERIENCE

DevOps Engineer - Newesis S.r.l.

November 2025 – Present

I design and maintain cloud-native infrastructure and CI/CD pipelines across multi-cloud environments (Azure, AWS, GCP), with a focus on microservices delivery on Kubernetes, observability, and environment lifecycle management.

Key achievements:

- Led a development environment analysis and subsequent staging environment provisioning for a Digital Trust and Cybersecurity client, using Terraform and integrating cross-environment resources (subnets, Application Gateway). Extended the cross-project Terraform module library with new resources including App Services, Key Vault, Service Bus, Redis, Azure Container Registry, Log Analytics, App Insights, and Managed Identity; delivered creation and teardown pipelines on Azure DevOps.
- On the same project, independently identified a cost optimisation opportunity during the staging environment analysis, proposing a VM region switch (from West Europe to Sweden Central) with an 8.5% monthly saving on compute at equivalent SLA, equivalent to over €1,000 per year.
- Designed and standardised Azure DevOps CI/CD pipelines for a sports tech client's Node.js microservices (live event data and graphics) on AWS ECS Fargate (ALB, CloudFront, ECR, Secrets Manager, CloudWatch, IAM), with Terraform-managed infrastructure and controlled dev → staging → production promotion.
- Designed and developed a multi-tenant REST API in FastAPI for a media/digital publishing client, automating the lifecycle management of ArgoCD applications on AKS clusters and enabling a developer self-service model that significantly reduced environment creation, update, and teardown times.
- As part of a support engagement on the Milano-Cortina 2026 Olympic Games streaming infrastructure, independently designed and developed an N8N monitoring assistance and real-time RCA workflow, integrating Datadog metrics via API, AI analysis (code node with GCP Gemini 2.5 Flash), and automated archiving to Azure Blob Storage — generating system status reports every 5 minutes and an aggregated digest every 8 hours for shift handover.

Key Skills:
Cloud: Azure, AWS, GCP
IaC: Terraform / OpenTofu (modular multi-cloud design)
Containers & Orchestration: Kubernetes (AKS, GKE), Docker, Helm, ArgoCD
CI/CD: Azure DevOps, GitHub Actions
Monitoring: Prometheus, Grafana, Datadog
Backend & Automation: Python / FastAPI, N8N
Databases: MongoDB (replica sets), PostgreSQL, Redis/Valkey, SQL Server
Security: Workload Identity / OIDC federation, RBAC, secrets management, IaC scanning (TFSec, Trivy)
Networking: Application Gateway/WAF, NGINX ingress, L4/L7 load balancing, Cloudflare

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Cloud Automation Developer - Lynx S.p.A.

April 2024 – November 2025

Developed the internal automation platform for self-service provisioning of SQL Server database infrastructure for a banking-sector client, integrating IaC, pipeline orchestration, and ITSM workflows.

- Designed the end-to-end IaC workflow for provisioning SQL Server instances, Always On Availability Groups, and databases, using a custom Terraform provider with orchestration via Bitbucket and Rundeck.

- Developed production-grade PowerShell scripts for SQL Server resource lifecycle management (AG listeners, failover clustering validation, Foglight agent deployment), and built the integration layer between Terraform and ServiceNow CMDB using Bash and Python scripts, ensuring consistency between IaC state and the company ITSM source of truth.

Key Skills: PowerShell · Bash · Python · Terraform · SQL Server · Bitbucket · Rundeck · ServiceNow CMDB

Systems Administrator - Critical Service S.r.l. December 2023 – March 2024

- Monitoring, troubleshooting, and root cause analysis on Windows servers and Windows/Linux RedHat clusters, with deployment, patching, and in-place upgrade activities on VMware vSphere/ESXi virtualised infrastructure. Developed scripts for routine task automation.

Key Skills: Windows Server · Linux RedHat · VMware vSphere / ESXi · Clustering · Patching · Scripting

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IT Consultant - Coldiretti Piemonte May 2022 – May 2023

- Collaborated with the development team of the Jforma LMS software on testing, bug reporting, and feature requests. Administered Google Workspace and produced technical documentation in support of internal training programmes.

Key Skills: Software testing · Bug tracking · Google Workspace · LMS administration · Technical documentation

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Patent Administrator - Studio Torta S.r.l. February 2021 – March 2022

- Reviewed and archived patent certificates and managed bilingual (Italian/English) correspondence with European partners.

Technical Support Specialist - Multi-client January 2017 – September 2019

- Bilingual technical helpdesk for Lavazza (via Covisian) and telephone support for Crédit Agricole home banking and CUP CISL services.

LANGUAGES

English	B2, used daily for coordination with international teams and technical documentation
French	A1, beginner level certified at Alliance Française
Italian	Native

EDUCATION & CERTIFICATIONS

- AWS Cloud Practitioner – 2023
- "Cloud Infrastructure Management" certification – Engim, Turin – 2023
- ECDL IT-Security Certificate – Specialised Level – AICA, Turin – 2021
- Scientific High School Diploma – Liceo Statale Giordano Bruno, Turin – 2006

PERSONAL PROJECTS

CheapTrunk May 2026 – present

Personal production stack on a single Hetzner VM, built for minimal attack surface at under €10/month.

- Docker Compose stack (n8n, Caddy). The admin interface is reachable only via WireGuard VPN, and public endpoints sit behind Bunny CDN with WAF and rate limiting.
- Pull-based GitOps deployment: GitHub Actions publishes checksummed releases with least-privilege jobs, and a systemd timer verifies them and switches atomically, with no inbound CI access.
- AI-powered n8n workflows, such as a public SRT subtitle translator (web form → Gemini → email).

Stack: Hetzner, Docker Compose, Caddy, WireGuard, Bunny CDN, GitHub Actions, systemd, Bash, n8n, Gemini, Astro

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HOBBIES & OTHER ACTIVITIES

Sound & Light Technician

- Live audio and lighting for Tangram Teatro theatre productions (2024 – present) and television events (Global Production S.r.l., 2013 – 2016).