Lukas Gabriel

DevSecOps Engineer

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EXPERIENCE

since 01/2025 — **DevSecOps Engineer** – MWAY DIGITAL GmbH, Stuttgart

End-to-end responsibility for infrastructure, operations, and security across five product lines – 90+ employees, over 2 million end users, a platform team of three – reporting directly to the CTO.

- Architecting and operating four self-managed K3s clusters (~100 nodes, ~1000 cores, ~3000 pods, ~30 TiB storage) alongside cloud and on-prem infrastructure – the platform of the largest product line (thousands of business customers), run at 2 FTE.
- Running the internal platform and supporting every team day to day – GitLab as orchestration hub (Terraform, Helm), numerous self-hosted services (Harbor, YouTrack, Zammad, SonarQube), and hands-on ops down to the rack.
- Information Security Officer, building the ISO 27001 ISMS from the ground up to certification readiness – risk management, policies, security reviews, responsible disclosure, and security liaison with customers and suppliers.
- Supporting Relution's Common Criteria EAL 4+ evaluation – BSI site-visit preparation and execution, ALC/ADV documentation, and remediation of findings.
- Driving org-wide adoption of AI-assisted development – security guardrails, managed settings, and agent pipelines.

Kubernetes · Terraform · GitLab · Helm · Grafana · Hetzner · AWS · IONOS · ISO 27001 · Python

09/2023 – 12/2024 — **DevOps Engineer** – c-Com GmbH (MAPAL Dr. Kress SE & Co. KG), Aalen

Maintained and improved the DevOps toolchain and hybrid cloud infrastructure of an Industry 4.0 / Smart Manufacturing platform.

- Owned the entire DevOps toolchain, managing it end to end as Infrastructure-as-Code.
- Implemented CI/CD pipelines, an LGTM-stack observability platform, and custom tooling.
- Contributed to the development of a Java (Spring) microservices application.

Kubernetes (EKS) · Helm · Bitbucket · Jenkins · Grafana · OpenTelemetry · Vault · Java

03/2021 – 08/2023 — **Working Student: Cloud Engineering** – ai informatics, Pforzheim

Infrastructure for an IT consultancy focused on business integration.

- Developed internal applications and automation in Python.
- Administered & customized Jira and Confluence for agile project & knowledge management.
- Provided first-level support for a business integration platform serving 100+ customers.

Python · Jira · Confluence · PowerShell · Linux (RHEL)

09/2019 – 02/2021 — **Working Student: Infrastructure & Data Operations** – ai informatics, Pforzheim

IT service management & system administration for a managed service provider.

- Administered Windows systems; deployed and monitored customer equipment.
- Coordinated IT projects and authored internal & external documentation.
- Built internal tools for IT service management.

PowerShell · Windows Server · SCCM

EDUCATION

09/2018 – 10/2023 — **B.Sc. Digital Enterprise Management** – Pforzheim University

Equivalent to B.Sc. Information Systems (Wirtschaftsinformatik); taught in English.

- Thesis: Open for Business - An Investigation of Open Source Monetization & Growth Strategies
- Beta Gamma Sigma Lifetime Member – international honor society (top 10% of students)

07/2018 — **Abitur (university entrance qualification)** – Scheffold-Gymnasium, Schwäbisch Gmünd

SKILLS

CLOUD & INFRASTRUCTURE	**Kubernetes**	K3s, Longhorn, CloudNativePG, Velero, Traefik, Kyverno
	Linux	Debian, RHEL, Talos, Arch
	Networking	MikroTik RouterOS, Cilium, NetBird
	Observability	Grafana, Prometheus, Loki, Tempo, Alloy, OpenTelemetry
	Cloud	Hetzner, AWS (EC2, EKS, Lambda, S3, RDS, IAM), IONOS, STACKIT, Cloudflare
	Microsoft 365	Entra ID, Exchange Online, administration
SECURITY & COMPLIANCE	**ISMS**	ISO 27001, BSI IT-Grundschutz, Common Criteria, risk management
	Security Ops	security reviews, responsible disclosure, Authentik, OIDC, employee training
	Secrets	HashiCorp Vault, SOPS, Bitwarden/Vaultwarden, 1Password
AUTOMATION & DELIVERY	**GitLab**	CI/CD, runners, administration, Renovate, registries
	Terraform	multi-cloud stacks, module development, state management
	Helm	chart development, Helmfile
DEVELOPMENT	**Scripting**	Python, Bash, PowerShell
	AI Tooling	Claude Code, agent pipelines, Anthropic & OpenAI APIs, Ollama
	Java	Spring microservices
LANGUAGES	**German**	native
	English	fluent (C2)

PROJECTS

since 2019 — **Self-hosted infrastructure**

Dozens of self-hosted services – GitLab, Grafana, n8n, mail, Authentik, NetBird, Coder – grown from a managed PaaS into a self-managed Talos Kubernetes cluster; fully declarative (Terraform, Helm, Ansible), documented, and kept in sync by GitLab CI.

since 2020 — **Homelab**

Home network with managed switches, own DNS (AdGuard), NAS, and Home Assistant automating hundreds of devices – backups and redundancy built in everywhere.

since 2018 — **App & game development**

Applications and games built, tested, and hosted end to end on my own infrastructure – currently a task automation app (FastAPI), a platform for interactive digital art, and a text-based RPG – with the goal of open-sourcing them.

VOLUNTEERING

07/2021 – 02/2023 — **Web Developer** – DEMOCRACY Deutschland e. V.

Developed and maintained the web presence and infrastructure of a civic-tech non-profit that makes federal politics more accessible through the DEMOCRACY app.

10/2018 – 02/2021 — **IT Team Lead** – Campus X (FAV Pforzheim)

Ran the student initiative's web presence, e-mail, directory service, and knowledge base as IT team lead; earlier designed the student magazine's cover, layout, and graphic elements.

INTERESTS

Gaming (strategy, management & RPGs) · Tabletop RPGs · Writing & reading · 3D printing

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