



# Robin Rosenstock

✦ IT Engineer | Bound by Contracts, Freed by Challenges, Intensified by (AI) Companions. ✦

✉ [email@robinrosenstock.com](mailto:email@robinrosenstock.com) | ☎ +49 (0) 1772364140 |

📍 Theodolindenstraße 18B, 81545 München, Germany |

🌐 <https://robinrosenstock.com> | 🐱 [github.com/robinrosenstock](https://github.com/robinrosenstock) |

🌐 [linkedin.com/in/robinrosenstock](https://www.linkedin.com/in/robinrosenstock)

## Summary

Human engineer working in IT. I specialize in:

- AI agentic workflows: Pioneering production use of self-evolving autonomous AI agents.
- GitOps: Leading the implementation of Everything-as-Code for mission-critical operations.
- Cloud-Native: Building scalable, highly available infrastructure across cloud and bare metal.
- Open Source: Leveraging free software to maximize business value and digital sovereignty.
- Unified systems: Consolidating IT landscapes into simplified, performant ERP-centric systems.
- Hands-On Mentality: Applying the rigorous mindset of my mechanical engineering roots.

## Experience

### Wealthpilot GmbH

Munich, Germany

#### Senior Devops Engineer

01.01.2026 - Present

- Orchestrated HA Kubernetes clusters, achieving full operational autonomy and delivering the first production change within one week.
- Maintained 99.9%+ uptime via proactive SRE and led modernization and re-creation of the dev cluster.
- Architected a scalable self-service platform, migrating Ingress-Nginx to Traefik to streamline OAuth2-proxy and webhook integrations.
- Standardized GitOps and IaC via ArgoCD to eliminate drift and ensure consistency.
- Optimized CI/CD and image-building, migrating registries to Docker to improve deployment speed.
- Spearheaded AI initiatives, deploying local LLMs on GPU servers to accelerate AI transformation.

### Deutsche Bank AG

Berlin, Germany

#### Senior DevOps Engineer

01.11.2023 - 31.12.2025 (2 years, 2 months)

- Ensured the continuous availability of critical environments for Autobahn, Deutsche Bank's premier Foreign Exchange trading platform (<https://autobahn.db.com>)
- Migrated mission-critical environments to a hybrid cloud platform powered by Google Anthos, enhancing infrastructure scalability and resilience.
- Operated across both DevOps and Tier 3 Support teams, simultaneously driving infrastructure automation while serving as the final point of escalation for complex technical issues.
- Directed the technical execution of high-profile client demonstrations globally, providing overnight coverage to ensure seamless showcasing across all time zones.
- Served as the On-Call Specialist for hybrid production environments, leveraging deep expertise in ArgoCD to manage GitOps workflows and ensure rapid recovery of live systems.

**Leitz GmbH & Co. KG**

Oberkochen, Germany

**Systems Engineer**

01.05.2021 - 31.10.2023 (2 years, 7 months)

- Administered 75+ Linux servers (Ubuntu, Suse, RHEL) and 300+ VMs using XEN (Citrix Hypervisor, XCP-ng, Xen Orchestra).
- Supervised enterprise storage and backups, overseeing NetApp and TrueNAS systems and solely implementing a new backup solution (Commvault).
- Maintained critical databases (Oracle, MSSQL) and managed hybrid infrastructure across on-premises and Azure.
- Led DevOps and automation initiatives using Git (and Gitea) and implemented key services like a company-wide password manager (Bitwarden).
- Advised on technical budgeting for infrastructure investments in the six-figure range.
- Monitored all services via Zabbix and provided Tier 3 technical support for internal IT.

**SP Süddeutsche Prüfanlagen GmbH**

Aalen, Germany

**Technical Sales Engineer**

01.07.2019 - 30.04.2021 (1 year, 11 months)

- Provided full-spectrum IT support and led data management and migration projects within the CRM system.
- Configured and calibrated universal testing machines, managing complex hardware and software integrations.
- Executed technical measurements and performed detailed evaluations of test results for industrial applications.
- Managed technical sales as a Key Account Manager, acting as the primary technical liaison for major clients.

**Sii Technologies GmbH**

Oberkochen, Germany

**Project Engineer**

19.11.2018 - 14.05.2019 (7 months)

- Directed Change Management projects within the medical device sector, ensuring compliance with industry-specific quality standards.
- Consulted for Zeiss Meditec AG, managing project lifecycles and technical documentation for advanced medical technologies.
- Coordinated interdisciplinary teams, facilitating seamless communication between engineering, quality assurance, and production departments.

**SHW Werkzeugmaschinen GmbH**

Aalen, Germany

**Industrial Design Engineer (Internship)**

18.06.2018 - 12.08.2018 (3 months)

- Contributed to industrial design projects, applying engineering principles to optimize solutions for high-precision machine tools.
- Gained hands-on experience across the design lifecycle, bridging the gap between technical conceptualization and manufacturing.

## Stadt Aalen

Aalen, Germany

### **Tour Guide (Seasonal Student Job)**

2009 - 2018 (9 years, but only seasonal)

- Conducted engaging, technical, and historical guided tours at the "Tiefer Stollen" visitor mine, tailoring complex information for diverse audiences.
- Coordinated group logistics and safety procedures for underground operations, ensuring a smooth and secure visitor experience.

## Self

Aalen, Germany

### **Emerging Engineer**

01.04.2018 - 18.11.2018 (7 months)

- Executed self-directed technical research focused on advanced engineering principles and the development of specialized IT skills.

## **Skills**

### **Architecture & Strategy**

Platform Engineering · DORA  
Metrics · Cloud-Native · Policy as  
Code · SDLC · DevSecOps ·  
Sovereignty · Open Source ·  
Scalability/HA · Agile

● ● ● ● ● ○

### **Orchestration**

Kubernetes · Helm · Kustomize ·  
Tanka · Jsonnet · Keda · K9s

● ● ● ● ● ●

### **Virtualization**

KVM · Proxmox · Xen · VMware ·  
libvirt · KubeVirt

● ● ● ● ● ●

### **Databases**

PostgreSQL ·  
CloudNativePG/CrunchyPGO ·  
MySQL · Oracle · Redis

● ● ● ● ○ ○

### **Networking**

Tailscale · Nginx · Cilium (eBPF) ·  
Traefik · Ingress/Gateway API ·  
NetBox · MetalLB

● ● ● ● ○ ○

### **Linux & Core Systems**

Systemd · Shell · SSH ·  
Arch/Ubuntu · Samba · Neo  
Keyboard Layout

● ● ● ● ● ○

### **Infrastructure**

Terraform · Pulumi · Crossplane ·  
Ansible · Cluster API ·  
Kubeadm/Kind/K3s/Kubeone

● ● ● ● ● ●

### **Cloud**

GCP · Azure · AWS · Hetzner ·  
Netcup · Hybrid/Multi/Private

● ● ● ● ● ●

### **GitOps & CI/CD Pipelines**

ArgoCD · Tekton · Jenkins · Git ·  
Bitbucket · Gitea · Gitlab · GitHub  
(Actions)

● ● ● ● ● ●

### **Storage**

Longhorn · ZFS · TrueNAS ·  
NetApp · Logical Volume Manager  
(LVM)

● ● ● ● ● ○

### **Security & Policy**

Vault · cert-manager · Bitwarden ·  
Keycloak · age · OpenSSL/TLS ·  
Sealed Secrets · Trivy · Kyverno

● ● ● ● ● ○

### **Applications**

Nextcloud · ErpNext · Jira ·  
Confluence · Portfolio  
Performance

● ● ● ● ● ●

### **Containerization**

Docker · Podman · OCI ·  
containerd · CRI-O · LXC/LXD ·  
nerdctl · Buildah · Kaniko · Harbor

● ● ● ● ● ●

### **AI & MLOps**

OpenClaw · ollama · OpenRouter ·  
vLLM · llama.cpp · KServe · RAG

● ● ● ● ○ ○

### **Programming & Scripting**

Python · Bash · C · C++ · Java ·  
Frappe Framework

● ● ● ● ○ ○

### **Backup & Recovery**

Commvault · Restic · Rclone ·  
Velero · Disaster Recovery  
Planning

● ● ● ● ● ○

### **Observability & Reliability**

Prometheus · Grafana · Datadog ·  
Splunk · Jaeger · OpenTelemetry ·  
OpenCost · Tempo · Loki

● ● ● ● ○ ○

### **Computational Engineering**

CAD · FEM · CFD · OpenFOAM ·  
FreeCAD · HPC (High-  
Performance Computing)

● ● ● ● ○ ○

## Projects

### AI-Plane

04.2026 - Present

- Cloud-native AI gateway. Uses Crossplane to dynamically provision GPU servers. Deploys an open-source LLM through a web UI (like ChatGPT) and exposes API access for developers. By leveraging German infrastructure, the system ensures complete data sovereignty. Developed at Wealthpilot GmbH during "Innovation Days".

### Gitops Bootstrapper

03.2026 - Present

- Configurable wrapper scripts for provisioning a GitOps workflow. This toolkit can be used for local testing or to bootstrap Kubernetes clusters.

### vCard.py

12.2025 - 02.2026 (2 months)

- Python-based vCard parser for versatile contact management, developed in collaboration with AI

### Frappe Apps (multiple)

2023 - 2024 (1 year)

- Developed multiple full-stack applications using Frappe, the same open-source low-code platform that powers ERPNext. Apps cover sports performance tracking, media asset management, and job application workflows, demonstrating rapid prototyping and domain-driven design on a unified platform.

### sshGraph

04.2023 - 06.2023 (3 months)

- Visualizes SSH trust relationships between machines and public keys. Written in Python and deployed as a container

### Timeupgrader

07.2023 - 12.2023 (6 months)

- Android application written in Kotlin for time tracking. Allows users to track time across different activities quickly.

## Training & Certifications

### Professional Cloud Architect

2025

Deutsche Bank & Google

- Acquired skills to design, develop, and manage robust, secure, and scalable cloud solution architectures based on business requirements.
- Completed alongside full-time employment in 12 weeks with an additional 10 hours of study per week

### Associate Cloud Engineer

2024

Deutsche Bank & Google

- Learned to deploy applications, monitor operations, and manage enterprise solutions by configuring infrastructure and network services.
- Completed alongside full-time employment in 12 weeks with an additional 10 hours of study per week.

### Netapp Training

27.07.2021 - 29.07.2021 (3 days)

Advanced UniByte Academy

- Weekend on-site training, approximately 31 hours
- NetApp Fundamentals, VServer + Network Resources, NFS VServer, CIFS VServer, SAN VServer, Storage Efficiency, Statistics, Backup

### Soft Skills Courses (Student)

2016 - 2017

TU Chemnitz

- Weekend Courses (each 10 hours): Rhetoric, Time Management, Memory Training

### Fitness Trainer

2010 - 2011

Academy of Sports

- B-License: 14 weeks with on-site courses and thesis, around 115 hours.
- C-License: 12 weeks, around 75 hours.

### CCNA: Introduction to Networks

2010

Cisco

- Completed an intensive 70-hour curriculum on network architecture and protocol management, mastering IP subnetting and OSI model analysis.
- Developed proficiency in Cisco CLI for configuring and verifying Ethernet networks, ensuring robust connectivity and security standards.

## Education

### Chemnitz University of Technology

Chemnitz, Germany

Master of Science in Mechanical Engineering

01.10.2014 - 31.03.2018 (3 years, 6 months)

- Profile: Applied Mechanics and Thermodynamics
- Master's Thesis: Simulation and Optimization of Flow Transition from a Coaxial Connector to a Hydraulic Cylinder Considering Pressure Conditions. (07.08.2017 - 09.02.2018, 6 months)
- Main Internship: Simulation of a centrifugal separator at Suvis GmbH in Chemnitz (21 weeks)
- Additional General Studies: Numerical Mathematics, Heat Transfer, and Emotional Psychology

### Chemnitz University of Technology

Chemnitz, Germany

Bachelor of Science in Mechanical & Sports Engineering

01.10.2010 - 30.09.2014 (4 years)

- Started in Sports Engineering, then Dual Enrollment in Mechanical Engineering (from 01.10.2012)
- Additional Subjects: Technical Mechanics, Thermodynamics, Computer Science, and Fluid Mechanics
- Bachelor's Thesis: "Strength calculations and optimization of a crank" at the Institute for Construction Design and Drive Technology (01.11.2013 - 14.04.2014, 5 months 2 weeks)
- Internships at MAPAL KG in Aalen and Funk Eisengießerei GmbH in Aalen

### Technische Schule Aalen

High School Diploma

Aalen, Germany • 08.2007 - 07.2010 (2 years, 11 Months)

- Profile: Computer Science
- Courses: Foundations of Information Technology, Operating Systems, Databases, Object-Oriented Programming, Data Structures and Data Analysis, Algorithms, Microprocessors, and Hardware Programming

### Karl-Kessler-Realschule

Secondary School

Aalen, Germany • 09.2001 - 07.2007 (5 years, 10 Months)

- Successfully progressed from Realschule to higher technical education, establishing a foundation for university engineering studies.

## Languages

German

Native



English

C2



French

B2



Spanish

B1





Russian


A1



## Driving Licenses

 B (Car)

 A (Bike)

 BE (Trailer)

## Volunteering

Open Source Business Alliance

09.2024 - Present

- Private Support Member
- Supporting the promotion of open-source software and digital sovereignty in business and public administration.

Schachverein Aalen e.V.

09.2017 - 10.2023 (6 years, 2 months)

- Youth Leader in Chess
- Managed youth programs and coordinated training sessions, fostering strategic thinking and competitive discipline in young players.

Aalener Sportallianz e.V.

01.2020 - 10.2023 (3 years, 10 months)

- Youth Coach in Gymnastics
- Organized and led training sessions for youth groups, focusing on physical development, teamwork, and safety protocols.

Political Party (FDP)

11.2019 - 10.2023 (4 years)

- Member of the District Executive Board (Ostalbkreis)
- Contributed to regional organizational strategy and decision-making processes

## Interests

 Health

 Calisthenics

 Software & Tech

 Challenges

 Social Interactions

 Finance

## Closing Statement

My commitment to pursuing challenges and continuous growth enables me to deliver high impact within the technical lifecycle and beyond.

Robin Rosenstock, Munich, 04. Mai 2026