M Hamza Naeem

Ilmenau, Germany ⚲ hamza.naeem138@gmail.com 📞 +49-17674766094 in Linkedin ○ HamLuci-byte

Cloud DevOps Engineer with **3.5+ years** of experience designing and delivering scalable infrastructure for mission-critical platforms **worldwide**. Experienced in building hybrid, on-premise and cloud environments, driving automation and deployment strategies, and ensuring secure, reliable, and efficient operations in live production systems around the globe. Experienced in working closely with development, testing, and customer stakeholders to ensure efficient deployments and stable production environments.

Technologies

Cloud & Infrastructure:	AWS, Azure, Kubernetes, Docker, Helm, Terraform, Ansible, Linux
CI/CD & Automation:	GitOps, Jenkins, GitHub Actions
Data & Messaging:	Apache Kafka, SQL Databases
Monitoring & Logging:	Prometheus, Grafana, Loki
Networking & Security:	pfSense, OpenVPN, IPSec, PKI (Certificate Management, Truststores/Keystores)

Experience

> Cuculus GmbH, Systems Engineer — Ilmenau, DE — Sept 2023 – Present

- Designed, deployed, and maintained infrastructure for large-scale IoT platform **(Cloud, and Hybrid)**, powering **millions of devices worldwide**.
- Deployed end-to-end distributed system **production rollouts**, with Infra provisioning.
- Migrated platform to **Kubernetes**, defined architecture and best practices.
- Automated Infra with **Terraform and Ansible**, cutting provisioning effort by **70%** and enabling repeatable, efficient deployments.
- Built **CD pipelines** and continuous monitoring **(Prometheus, Grafana)** to streamline delivery, while ensuring **99.5% uptime**.
- Managed **AWS and Azure accounts** for clients and internal projects, overseeing test and production environments.
- Led database migrations and post-deployment operations, troubleshooting production issues with minimal downtime.
- Hands-on with VPN infra **(pfSense, OpenVPN)**, PKI, and secure device lab environments.

> Deenovum Technologies AG, Cloud DevOps Engineer — Ilmenau, DE — Mar 2022 – Aug 2023

- Developed and managed scalable **AWS infrastructure** for efficient software delivery.
- Implemented **Terraform, Ansible** to automate resource provisioning and deployments.
- Implemented **CI/CD pipelines**, shorter release cycles and automating software delivery.
- Deployed and orchestrated containers with **Kubernetes and ECS**.
- Optimized and monitored system performance, ensuring high availability and scalability.

> Full-Stack Developer (MERN & Django), Freelance — Oct 2020 – Sept 2021

- Delivered web applications for clients using MERN stack and Django.
- Gained hands-on experience in backend APIs, authentication, and deployment.

Education

MS	**Technische Universität Ilmenau**, Masters in Research in Computer and Systems Engineering	Oct 2021 – Present

- **Core Coursework:** System Architectures, Networks, Operating Systems, Cloud Computing, Virtualization.

BS	**National Textile University**, Bachelors of Science in Computer Science	2016 – 2020

Certificates and Achievements

AWS Certified Solutions Architect Professional SAP-C02

Certificate ↗

Continuous Delivery and DevOps

Certificate ↗

Additional certificates available on my

Github ↗

Personal Projects

Cloud Deployment

- End-to-end application deployments on AWS services such as EC2, ECS and EKS. Along with CI/CD integration, autoscaling and load balancing configurations.

AWS ECS deployment through Terraform.   github repo ↗

- Automation of ECS infrastructure deployment via Terraform.

Sandbox Coding System

- Coding platform on cloud which supports sharing of development environment between developers.

Languages

English	C1	Advanced proficiency.
German	A2	Basic proficiency.