Philipp Landmann

DevOps Engineer – AWS SAA, CKA & Terraform Associate

cv@landmann.ph | linkedin.com/in/phl-ldm | github.com/kuuhhl
landmann.ph | Münster, Germany

Skills

Cloud & Infrastructure	AWS, Terraform, Docker, Kubernetes, Linux.
Automation & Observability	Git, GitHub Actions, CI/CD, Bash, Infisical, OpenTelemetry, Grafana Cloud.
Systems & Programming	NATS JetStream, Cloudflare R2, Redis, MongoDB, Parquet, Python, TypeScript, JavaScript, Java.

Selected Cloud Projects

From Apr 2026 — **distcrawl – Distributed Web Crawler**

Originally developed for my bachelor's thesis and continued afterward as an independent project.

- Designed and deployed a fault-tolerant crawler across 100+ SaladCloud nodes using Docker, NATS JetStream, Playwright, and Cloudflare R2, achieving a crawling throughput of ~61,000 sites/hour with near-linear horizontal scaling.
- Included observability with OpenTelemetry metrics, traces, and logs in Grafana Cloud, plus automated unit, end-to-end, and resilience tests covering browser crashes, NATS interruptions, and timeouts.
- Automated a weekly GitHub Actions workflow that provisions infrastructure with Terraform, runs an end-to-end test crawl, and destroys all resources; secrets are retrieved at runtime from Infisical.

May 2026 — **di-vip – Smart Opportunity Finder**

Won 1st place at the SCHOTT X LAUNCH Build Days hackathon. I implemented adaptive source scrapers for a MedTech RAG pipeline, switching between regular HTTP requests and Playwright based on what is required.

2023; 2026 — **Collaborative Whiteboard**

Co-developed a real-time whiteboard with Socket.IO, Redis, and MongoDB. Provisioned Google Cloud Run and AWS S3/CloudFront with Terraform; automated deployments via GitHub Actions and OIDC.

Experience

From Nov 2026 — **Junior DevOps Engineer** at CHECK24

Mar 2023 – Sep 2023 — **Web Developer** at Winestro.Cloud

- Developed a VS Code extension in TypeScript that replaced a manual browser-based workflow for pushing code to an internal templating server via REST API and added live reload.
- Delivered storefronts for 4+ wineries while working directly with clients, migrated the webshop software to Bootstrap 5, and onboarded 2 new hires.

Education

Oct 2022 – Jul 2026 — **B.Sc. Computer Science** at Goethe University Frankfurt, DE
Grade: 2.0 (German scale: "good") | Bachelor's thesis grade: 1.0. ("excellent")

Sep 2023 – Jun 2024 — **Erasmus Exchange** at University of Leicester, UK
Grade: 78% (First Class Honours equivalent).

Certifications

Certified Kubernetes Administrator (CKA) | **AWS Certified Solutions Architect – Associate**
KCNA | **HashiCorp Certified: Terraform Associate (003)**