

# Philipp Landmann

## Cloud Infrastructure & DevOps - AWS & Terraform Certified

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### Professional Summary

Computer Science graduate (Goethe-University, expected July 2026) with AWS and Terraform certifications and hands-on distributed systems experience. Budapest-based, seeking Cloud/DevOps roles.

### Skills

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|----------------|---|
| Languages      | 📖 German (native), Hungarian (fluent), English (fluent).  |
| Cloud & IaC    | 📖 AWS (S3, CloudFront, IAM), Terraform, Docker, GitHub Actions, CI/CD, NATS JetStream, Cloudflare R2. |
| Coding         | 📖 Python, TypeScript, JavaScript, Java, Bash.   |
| Systems & Data | 📖 Linux, MongoDB, Redis, MariaDB, SQLite.   |

### Certifications

- 📖 **AWS Certified Solutions Architect - Associate.** Awarded by Amazon Web Services.
- 📖 **HashiCorp Certified: Terraform Associate (003).** Awarded by HashiCorp.
- 📖 **AWS Certified Cloud Practitioner.** Awarded by Amazon Web Services.

### Employment / Internships

- Mar 2023 – Sep 2023    📖 **Web Developer** at Winestro.Cloud
- Built a VS Code extension in TypeScript that replaced a manual browser-based workflow for pushing code to an internal templating server via REST API. Included a live reload feature to reflect changes instantly.
  - Built customized online storefronts for 4+ wineries, handling client communication directly.
  - Co-designed a new webshop template using latest Bootstrap, simplifying the customization workflow for future developers.
  - Onboarded 2 new hires, covering the development workflow, tooling, and best practices.
- Sep 2021    📖 **Network Administrator** Internship at IT+ Solutions
- Installed Wi-Fi access points at a hotel, gaining practical experience in network configuration, subnetting, IP addressing, and backup procedures.

### Projects and Hackathons

- Apr 2026 – Jun 2026    📖 **distcrawl – Distributed Web Crawler**
- Built and deployed a distributed web crawler across 100+ consumer-grade cloud nodes (SaladCloud) for my Bachelor's thesis. Workers run containerized Playwright browsers (Chromium/Firefox) coordinated via NATS JetStream, with results stored in Cloudflare R2 as Parquet. Designed for fault tolerance: includes automatic redelivery on browser crash, and batch acknowledgment. Scaled to ~5,200 sites/hour with linear throughput growth on node addition.



## Projects and Hackathons (continued)

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- May 2026  **di-vip – Smart Opportunity Finder**  
Won 1st place at the SCHOTT X LAUNCH Build Days hackathon. Built an AI research platform that scans public databases for MedTech business opportunities. Built adaptive source scrapers for the RAG pipeline, auto-switching between HTTP requests and Playwright depending on each source's requirements.
- Sep 2023 – Dec 2023  **Collaborative Whiteboard**  
Developed and deployed a real-time collaborative whiteboard with stateless, horizontally scalable frontend containers on AWS. Canvas updates are broadcast to room subscribers via Socket.IO, with Redis pub/sub bridging users across container instances. Ground truth persisted in managed MongoDB.

## Education

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- Oct 2022 – Jul 2026  **B.Sc. Computer Science** at Goethe-University Frankfurt, DE  
Thesis submitted May 2026: "Web Crawling Analysis of Cookie Consent and Sub-page Navigation Effects on Web Tracking."
- Sep 2023 – Jun 2024  **B.Sc. Computer Science (Erasmus Exchange)** at University of Leicester, UK  
Grade: 78% (First Class Honours Equivalent).  
Modules: Big Data & Predictive Analytics, Foundations of Artificial Intelligence, Computational Intelligence & Software Engineering, User Interface Design & Evaluation, Internet & Cloud Computing, Generative Development, Advanced Web Technologies, Mobile & Web Applications.