



Kevin Hoffmann

Software Engineer

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[Github](#) [LinkedIn](#)

Summary

Software Engineer with a passion for robust backend systems and a unique, user-centric mindset.

Based on 14 months of intensive, project-driven full-time experience, **including leading two specialized technical squads**, in designing and implementing secure backend systems and CI/CD pipelines.

Specialized in building secure cloud infrastructures on AWS with Terraform and mastering the Prometheus/Loki/Grafana Observability stack. Expertise in Python/FastAPI, complemented by full-stack work in the TypeScript/Node.js/React ecosystem.

My background in social work provides a unique approach to problem-solving, emphasizing empathy, clear communication, and a deep understanding of end-user needs.

Seeking a role where I can apply my technical skills to contribute to value-driven products and continuously grow in the field of cloud-native systems.

Projects

Playnext MVP

Mar 2025 - August 2025

- Developed an intelligent recommendation engine using **Google Gemini** for context-aware suggestions.
- Integrated **FastAPI backend** with a **PostgreSQL** database and a **React frontend**.
- Designed endpoints for storing user preferences, analyzing gameplay data, and generating recommendations.
- Focused on **real-world LLM integration**, including prompt engineering, API optimization, and caching.
- Deployed locally and via cloud environments for testing and scalability.

[Project Link](#)

Medical Recommendation System Prototype

Home Assignment for dianovi GmbH

August 2025

- Built a full-stack, containerized prototype with **Python**, **FastAPI**, and **Docker**.
- Created a dynamic frontend with **JavaScript**, **HTML**, **CSS**, served via **Nginx**.
- Implemented a complete **CI/CD pipeline** with GitHub Actions and AWS ECS.
- Automated backend testing with **Pytest**, ensuring reliability and quality.

[Project Link](#)

Education

Masterschool

Software Engineering

Training Program

Sep 2024 - Oct 2025

- Acquired hands-on experience through an immersive program, developing full-stack applications using Python, OOP, Databases, SQL, Flask, HTML, CSS, JavaScript.
- Applied software engineering principles such as object-oriented programming (OOP), test-driven development (TDD), and version control (Git, GitHub) in real-world projects.
- Built and deployed scalable applications using RESTful APIs, cloud services, and CI/CD pipelines, improving system performance and maintainability.

Goethe-University Frankfurt

Special Needs Education

State Examination

Oct 2016 - Oct 2023 (Incomplete)

Soft Skills

Problem-solving, Teamwork, Communication, Analytical Thinking

Technical Skills

Languages (Python, HTML, CSS, JavaScript, TypeScript, SQL),

Frameworks & Libraries (React, Node.js, Express.js, Jest, FastAPI, Flask, SQLAlchemy),

Cloud & DevOps (Terraform, AWS, Docker, GitHub Actions, CI/CD, Git, Postman, DevSecOps, PostgreSQL, SQLite, Loki, Prometheus, Grafana),

Methodologies (Agile, DevSecOps, OOP, TDD, BDD, Pytest, Unit Testing)

Experience

webeet

Software Engineer

Germany

Sep 2025 - Nov 2025

- **Led a cross-functional intern team** to deliver a high-priority cloud project on time, driving technical alignment and execution under tight deadlines.
- **Provisioned secure AWS infrastructure** (S3, IAM) with **Terraform**, developing reusable IaC modules that enforced DevSecOps principles (least privilege, encryption, auditability).
- **Built a full-stack TypeScript application** (React, Node.js, Express) following **TDD and BDD methodologies**, implementing automated tests with **Jest**, and designing for clean architecture and responsiveness.
- **Engineered a comprehensive monitoring stack** using **Prometheus and Grafana** integrated with **Loki**, enabling real-time logging and metric analysis to ensure system reliability and performance.
- **Streamlined team workflows** through Agile sprints and Git best practices (feature branching, pull requests, code reviews), improving delivery consistency and collaboration.

<https://www.webeet.io/>

Self-Employed

Independent Social Care Assistant

Offenbach am Main, Germany

May 2021 - Mar 2023

- Supported up to 8 individuals with disabilities in managing daily activities, fostering autonomy and social inclusion
- Coordinated personalized care plans, enhancing client independence and engagement by 30%
- Managed scheduling and documentation with 100% accuracy and discretion

Sophie-Scholl-School

Lead Instructor

Flörsheim, Germany

Aug 2020 - Mar 2021

- Designed and delivered intensive German lessons to refugee and migrant students, improving average language proficiency by 2 CEFR levels
- Led a classroom of 15+ students with diverse backgrounds, achieving a 90% attendance rate

Sophie-Scholl-School

After-School Program Educator

Flörsheim, Germany

Aug 2016 - Jan 2020

- Supervised and mentored 20+ students daily in structured after-school activities
- Developed educational workshops that boosted student engagement by over 40%
- Supported homework sessions, leading to an average grade improvement of one full level in core subjects

Languages

German (Native), English (C1), French (A2)