Harro Krog

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harrokrog.com • HarKro753 • harro-krog • born 12 March 2006

Software engineer and computer science student in Hamburg. I build backend and cloud systems, AI applications, and the tooling around them, and I like owning a system end to end: architecture, implementation, deployment, and the numbers that say whether it works. Most of what I know I learned by shipping products and watching what they do in production.

Experience

Working Student IoT & IT Architecture **Sep 2026 – Present**
Deloitte *Hamburg*

- Identify client requirements and matching technology solutions in digital transformation programmes, and support their implementation and operation.
- Integrate IoT and IT architecture into production environments (MES, PLM, enterprise connectivity) in multidisciplinary teams; prepare and run client interviews and workshops.

Freelance Full-Stack Engineer **Apr 2026 – Sep 2026**
Independent • harrokrog.com *Hamburg / remote*

- Worked in client teams from architecture to release: full-stack web, AI features, React Native apps, cloud infrastructure and CI/CD.

Microsoft for Startups Program **Mar 2026 – Apr 2026**
Microsoft *Copenhagen*

- Won Disability Tech × Microsoft Hackathon against 100 teams as sole developer of CuePath.
- Earned a place in Microsoft for Startups and the DTU Skylab startup sessions.

Co-Founder, Elevenstoic **Jan 2026 – Apr 2026**
iOS app • AppStore *Hamburg / remote*

- Full technical responsibility as sole developer: design, onboarding, paywall, backend, event analytics, and waitlist site; 2K daily active users, launched to a co-founder audience of 2M+ followers.
- Data-driven product work: A/B tests on pricing and features, product analytics on which features get used.

Working Student Software Engineer **Nov 2024 – Nov 2025**
ECE *Hamburg*

- Owned CR Portal, an internal change-request system used across departments, and wrote and shipped a new service plus an Azure DevOps Data Access Service to production, including their databases.
- Owned CI/CD and deployment on Azure up to production; refactored a C# codebase into modular clean architecture.

Projects

- **OfficeOS** – branded subscription apps for creators, built and operated on revenue share • officeos.co
- **Agent Infrastructure** – self-hosted control plane for coding agents • GitHub
- **Claude Copy** – open-source Claude Code plugin that rebuilds any reference design pixel perfect • GitHub
- **Food Scanner** – scan food, get nutrients; Open Food Facts batch-normalised into 3NF • OpenFoodMapper • FoodFacts
- **CuePath** – accessible navigation app, sole developer, hackathon winner • GitHub • **Fuse** – iOS app • AppStore

Skills

- **Web & mobile:** React, Next.js, TypeScript, Swift, Kotlin, React Native, Node.js, Tailwind CSS, shadcn/ui, Mapbox
- **Backend & data:** C# / .NET, Python, Rust, Java, PostgreSQL, Supabase, GraphQL, SAP
- **Cloud & infrastructure:** AWS, Azure, Kubernetes, Docker, Terraform, GitHub Actions, Vercel, Cloudflare, Grafana, Redis, RabbitMQ
- **AI engineering:** Anthropic API, Claude Code extensions (plugins, skills, subagents, hooks), MCP servers, agent orchestration, tool use & structured output, context engineering, prompt caching, RAG (chunking, hybrid retrieval, reranking), vector & graph memory, evals (prompt testing, LLM-as-judge, pass@k, regression suites), tracing & observability, guardrails, LangChain, LangGraph, LangSmith, Langfuse, Langdock
- **Product & growth:** Stripe, RevenueCat, PostHog, Google Analytics, Resend, WhatsApp, Cal.com, HubSpot, Slack, Discord, Meta Ads, n8n

Education & Certifications

Universität Hamburg **Oct 2024 – 2027**
B.Sc. Computer Science • current grade 1.9
Notable courses: Machine Learning, Databases, Distributed Systems, Algorithms & Data Structures, Software Engineering 1–3, High-Performance Computing, Statistics, Stochastics & Optimisation, Theoretical CS, Complexity & Approximation, Computer Networks, Embedded Systems, Mathematics 1–2.

Gymnasium Ohlstedt **Sep 2017 – Jul 2024**
Abitur, grade 1.9 • Advanced courses: Mathematics, Biology, Physical Education

Certifications

Anthropic: MCP Advanced Topics (2026), Claude Skills (2026) • **Google:** AdWords Search Advertising (2026) • **Udemy (2025):** AWS ML Specialty, AWS Cloud Practitioner, Kubernetes Application Developer, Kubernetes Basics • Cambridge English C1 (2024) • Großes Latinum (2024) • HamNat, Universität Hamburg (2024)

Community

GitHub Student Ambassador • Microsoft Student Ambassador • Open Source @ TUM (TUM.dev) • Founder of Builder Circuit (20+ hackathon winners) • Resident at House of AI • AI Beavers, Hamburg's AI builder community • Bit-Bots, Uni Hamburg's RoboCup team