Aziz Khalledi

Full Stack Engineer · TypeScript · React · Node.js · AI Products

Berlin, Germany | khallediaziz@gmail.com | +49 151 5445 2021 | German citizen
linkedin.com/in/aziz-khalledi | github.com/AzizFacilex

PROFILE

Full Stack Engineer with 7+ years in software development (3 years full-time, 4 years as a working student), specialised in TypeScript, React and Node.js on Java and PostgreSQL backends. Track record of measurable performance and CI/CD improvements in production SaaS, and three AI products built end to end (LLM agents, MCP server, API gateway, cross-platform desktop apps). M.Sc. Computer Science. Looking for a Senior Full Stack, Product or AI Engineer role in Berlin or remote (EU).

EXPERIENCE

Full Stack Engineer · SerNet GmbH — May 2024 – Present
Berlin (hybrid) · verinice, open-source ISMS platform (ISO 27001, BSI IT-Grundschutz) used by 2,000+ organisations incl. public sector and critical infrastructure · Vue.js / Nuxt.js, Java Spring Boot, PostgreSQL, RabbitMQ

- Develop core platform modules end to end (Vue.js / Nuxt.js SSR frontend, Spring Boot backend) in a 12-person cross-functional Scrum team, from technical design through code review to production release.
- Reduced CI/CD pipeline time by **77%** (30 → 7 min) by parallelising build and test stages in GitLab CI, shortening the feedback loop for the whole engineering team.
- Re-architected bulk deletion with queue-based parallel workers (RabbitMQ), cutting processing time for large linked data sets by **80%** (10 → 2 min) with full referential integrity.
- Improved frontend responsiveness on large data sets with optimistic UI updates and Web Workers.

Full Stack Engineer · M&H Novedia AG — Oct 2023 – May 2024
Berlin (hybrid) · enterprise document management and classification software · React, TypeScript, Java, C# / .NET, MySQL

- Delivered full stack features from requirements to production; parallelised the C# / .NET document classification pipeline across CPU cores, significantly reducing batch processing time.

Working Student Software Engineer · M&H Novedia AG — Jun 2019 – Oct 2023

- 4 years of production development alongside B.Sc. and M.Sc. studies: REST APIs and services in C#, F# and .NET Core, Scrum sprints, code reviews; promoted to full-time engineer.

PROJECTS

Hivana · MCP server providing shared long-term memory for AI coding agents — Jun – Jul 2026
TypeScript, Node.js, Next.js, PostgreSQL / pgvector, OAuth 2.1, WebSockets, Stripe, Fly.io, Vercel · pre-launch

- Designed and built a multi-tenant knowledge-graph memory service with vector search, entity resolution and provenance tracking, exposed to AI agents via Model Context Protocol (MCP) with OAuth 2.1 authentication.
- Raised agent fact recall from **42% to 96%** vs. web search alone in internal multi-turn benchmarks; cut write latency by **40%** (9.3 → 5.5 s) with batched embeddings; tenant isolation via PostgreSQL row-level security; usage-based Stripe billing.

Typilot · on-device AI dictation and writing assistant · typilot.com — Oct 2025 – Present
Tauri (Rust), React, TypeScript, Node.js, Supabase / PostgreSQL, Stripe · released for macOS, Windows and Linux

- Shipped a cross-platform desktop app with real-time speech-to-text, inline autocomplete and text rewriting running fully on-device (sherpa-onnx, Ollama); released for macOS, Windows and Linux with code signing, auto-update and CDN distribution.
- Built the licensing backend: trials, Stripe subscriptions, license keys and transactional email, plus a Next.js marketing site.

AI Image Generation Platform · creator studio with LLM agent and GPU orchestration — Jul 2026 – Present
TypeScript, Next.js, Hono, PostgreSQL, SQLite, Electron, Stripe, ComfyUI · private beta

- Built an LLM agent for automated error recovery and dependency resolution on cloud GPU workloads, with guardrails that block unverified installs and unplanned compute spend.
- Developed an AI API gateway (Node.js, PostgreSQL) with usage metering, spend limits and Stripe billing; shipped a signed and notarized macOS app (Electron) with auto-updates.

SKILLS

Frontend: TypeScript, JavaScript, React, Next.js, Vue.js, Nuxt.js, Tailwind CSS, HTML/CSS, Web Workers, Three.js

Backend: Node.js, Hono, Java, Spring Boot, C# / .NET, Python (FastAPI), REST APIs, WebSockets, SSE, OAuth 2.1, Stripe

AI / LLM: LLM agents, Model Context Protocol (MCP), RAG, embeddings & vector search (pgvector), prompt engineering, OpenAI / Anthropic / OpenRouter APIs, Ollama, ComfyUI

Data & Cloud: PostgreSQL, MySQL, Supabase, RabbitMQ, Docker, CI/CD (GitHub Actions, GitLab CI), Vercel, Fly.io, Cloudflare

Desktop & Tooling: Tauri (Rust), Electron, test automation (Vitest, Playwright, Cypress), Git, Agile / Scrum, code reviews, Claude Code, Cursor

EDUCATION & LANGUAGES

M.Sc. Applied Computer Science · HTW Berlin · software architecture, cloud, ML, distributed systems — 2020 – 2023
B.Sc. Computer Engineering · HTW Berlin — 2017 – 2020

Languages: English (C1) · German (C1) · French (C1) · Arabic (native)