FULL-STACK DEVELOPER

Omar Fourati

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Work permit (§ 18b) – no visa sponsorship needed

Arabic: native · German: C1 · French: C1 · English: B2



PROFILE

Full-Stack Developer at KERAVONOS GmbH – full-time since 10/2025, before that 2.5 years as a working student on the same team. Focus: Python/FastAPI, Vue 3/TypeScript, Java/Spring Boot and LLM integration (OpenAI, Claude, Gemini). Extensive agentic coding with Claude Code, backed by code review and automated tests. Open to remote roles and positions in Munich.

EXPERIENCE

10/2025 – present

Software Developer (full-time)

KERAVONOS GmbH · Gummersbach

- Web applications and AI platforms with Vue 3, FastAPI and PostgreSQL
- Pronto: AI detection of buying signals and personalised sales texts (OpenAI API)
- Further development of the company's internal real-time chat
- Client projects for ABUS Kransysteme GmbH

Experience with: Vue 3 · FastAPI · TypeScript · PostgreSQL · OpenAI API · Docker

06/2023 – 09/2025

Working Student, Software Development

KERAVONOS GmbH · Gummersbach

- Internal real-time chat with WebSockets, Google OAuth, channels and direct messages
- Building Pronto: aggregation of public data sources, scraping with Playwright
- Contributions to rentgate (rental and booking software)
- Internal web apps for industrial processes at ABUS Kransysteme GmbH

Experience with: Vue 3 · FastAPI · WebSockets · OAuth 2.0 · TypeScript · MariaDB

03/2023 – 05/2023

Internship, Software Development — KERAVONOS GmbH

PROJECTS

2026

Daftar – Scheduling for doctors in Tunisia (live) — daftar.omarfourati.de

Multi-tenant PWA (FR/AR): online booking, waiting room, cash desk, 1,700+ tests

Experience with: Python · FastAPI · PostgreSQL · SvelteKit · Svelte 5 · Playwright

2026

Paint-Ball Game (personal project, live) — paint-ball-game.omarfourati.de

Browser multiplayer: C#/.NET game server (WSS), WebGL2 client, bots, 211 tests + E2E

Experience with: C# · .NET 10 · ASP.NET Core · WebSockets · WebGL2 · Docker

2026

Kibuka – AI children's books in 4 languages (live) — kibuka.omarfourati.de

Daily pipeline: story, safety check, translation, illustrations, read-aloud audio

Experience with: FastAPI · React · PostgreSQL · OpenAI API · Google TTS · Redis

2026

Redefluss – AI speaking coach for German (live) — redefluss.omarfourati.de

AI coach with mistake memory, pronunciation scoring, real-time job interview (WebRTC)

Experience with: Kotlin · Ktor · Svelte 5 · PostgreSQL · OpenAI Realtime · Azure Speech

2026

Briefklar – German authority letters explained (live) — briefklar.omarfourati.de

Server-side OCR and redaction, AI explanation in 4 languages, deadline as .ics

Experience with: Go · Angular · TypeScript · PostgreSQL · Tesseract · Playwright

2026 **Belegfluss – AI invoice inbox (live)** — belegfluss.omarfourati.de
LLM extraction (Spring AI) and e-invoices (XRechnung/ZUGFeRD), four-eyes approval
Experience with: Java 21 | Spring Boot | Spring AI | Spring Security | PostgreSQL | Testcontainers

2026 **AI sports predictions (live)** — ki-fussball-prognosen.de
AI football predictions using several LLMs and a consensus system
Experience with: Next.js 15 | TypeScript | PostgreSQL | Prisma | Docker

2026 **SecureVault – Private-Key-Manager (live)** — securevault.omarfourati.de
Password manager (PWA), client-side AES-256-GCM encryption, zero-knowledge architecture
Experience with: React | Node.js | PostgreSQL | JWT | Docker | Nginx

2026 **DayFlow (live)** — tnt.sg-digital.de
Productivity app with task planning, idea board and link collection
Experience with: Next.js | Supabase | TypeScript | Zustand | Playwright

2026 **Trading-Bot**
Algorithmic trading: ML forecasts, technical analysis, backtesting, MetaTrader5 live monitoring
Experience with: Python | TensorFlow | PyTorch | LangChain | XGBoost | PostgreSQL

EDUCATION

2020 – 2025 **B.Sc. Computer Science**
TH Köln (University of Applied Sciences), Gummersbach
Software engineering, algorithms, AI systems

2018 – 2020 **DSH German language exam, grade 2**
F+U Academy Heidelberg / TH Köln
German language exam for university admission

2013 – 2017 **Baccalaureate (mathematics)**
L.A.K.C Lycée, Sfax (Tunisia)

CERTIFICATES

2026 **Project Management: Fundamentals, Initiation, Planning** — LinkedIn Learning
2026 **Decoding DevOps – From Basics to Advanced Projects with AI** — Udemy
2026 **React – Complete Developer Course with Hands-On Projects** — Udemy
2026 **Artificial Intelligence in SEO (Extreme Edition)** — Udemy
2026 **Physics For Unity 6.2 & C#** — Udemy
2026 **The Complete Cyber Security Course: Network Security!** — Udemy
2026 **Build a Custom E-Commerce Site in React + JavaScript Basics** — Udemy
2026 **Learn Java and Artificial Intelligence Programming Tools** — Udemy
2023 **Build a Backend REST API with Python & Django** — Udemy
2023 **JavaScript: From Zero to Expert** — Udemy
2022 – 2023 **Software Quality Assurance** — German Testing Board / TH Köln
2022 – 2023 **Stress Management & Personal Development** — TH Köln
2021 – 2023 **Python: Complete Pro Bootcamp** — Udemy

TECH STACK

Python | FastAPI | Vue 3 | TypeScript | PostgreSQL | Docker | OpenAI API | Claude API | React | Next.js | Java / Spring Boot | C# / .NET | WebGL | TensorFlow | PyTorch | LangChain | WebSockets | OAuth 2.0 | GitHub Actions | Tailwind CSS | Nginx | Linux | Caddy | Prometheus | Grafana

VOLUNTEERING

Volunteer neighbourhood support — Heidelberg, 2018 – 2020

INTERESTS

Sports · Travel · Films · Cooking · Video games · Card games