

Umaid Shahid

umaidshahid1@gmail.com | umaid.dev | github.com/umaidshahid | Kaiserslautern (open to relocation)

Experience

Software Engineer, Brainbot – Mainz, Germany (Hybrid), Werkstudent May 2026 – Present

Software Engineering Intern, Brainbot – Mainz, Germany (Hybrid), Full-time Jan 2026 – Apr 2026

- Developed AI automation pipelines integrated into production systems, reducing manual processing overhead by 40–60% across client workflows
- Engineered n8n automation workflows replacing manual CRM order creation and lead generation, cutting task completion time by 45%
- Delivered multiple full-stack client products with React, Vite, and Next.js, containerized via Docker
- Built a Python observability backend with Prometheus tracking real-time hardware metrics
- Engineered on-premise LLM inference infrastructure across enterprise clients: GPU provisioning, scalable model serving, and system integration, cutting recurring cloud API costs

Full Stack Software Engineer I, YRA Tech – MA, USA (Remote), Full-time July 2024 – Oct 2025

- Developed an accessibility testing platform, contributing across the full SDLC
- Built and optimized web applications with Next.js, React, and TypeScript in an agile setting
- Designed RESTful APIs, server-side logic, and backend components following clean architecture
- Created and optimized PostgreSQL schemas with efficient queries and reliable data flows
- Collaborated with PMs, designers, and QA to refine requirements and deliver features
- Implemented automated accessibility testing aligned with WCAG 2.1, improving compliance
- Managed CI/CD pipelines with GitHub Actions and supported DevOps deployment tasks

Projects

Relay – Self-Hostable LLM Proxy (FastAPI + Vite) github.com/umaidshahid/relay

- Built an LLM proxy with per-key token usage tracking, rate limiting, and multi-tenant auth
- FastAPI backend with encrypted credential storage (Fernet/AES-GCM) and per-user data isolation
- Implemented SSE streaming passthrough with OpenAI-compatible API and OpenWebUI support
- Deployed on GCP e2-micro with Docker, Caddy for automatic HTTPS, and GitHub Actions CI/CD via GHCR

ReleaseRadar – Release Monitoring Tool (FastAPI + Next.js) github.com/umaidshahid/releaseradar

- Developed a FastAPI backend with SQLAlchemy + PostgreSQL for storing watchlists and release metadata
- Built the frontend using Next.js, TypeScript, and Firebase Google Auth for secure login
- Set up production deployment on AWS EC2 using an Nginx reverse proxy and systemd services
- Implemented CI/CD with GitHub Actions to auto-deploy on every push to main

PulsePing – API Uptime & Performance Monitor (Go + Next.js) github.com/umaidshahid/pulseping

- Implemented a continuous checker service using goroutines and channels for efficient parallel API polling
- Streamed live result updates to clients through Server-Sent Events (SSE) for real-time dashboard feedback
- Used Firebase for auth, containerized the entire stack with Docker, and prepared deployment for AWS EC2

VirtuAqua – Real-Time Sensor Simulation (Rust + Python) github.com/umaidshahid/virtuaqua

- Simulated real-time water quality sensor streams in Rust, generating noisy pH and temperature readings
- Applied smoothing filters and statistical thresholds for contamination event detection
- Piped processed output to Python for live data visualization

Skills

Frameworks: React, Next.js, Node, FastAPI

Languages: JavaScript, TypeScript, Go, Python, C++, PostgreSQL, MongoDB

Tools: AWS, GCP, Git, GitHub Actions, n8n, Docker, Kubernetes, Jira, Playwright

Education

Technische Universität Kaiserslautern, Germany – M.S. in Computer Science

Present

University of Central Punjab, Pakistan – B.S. in Computer Science

2024