

Mirwan Akayguen

Freelance Software Developer · Backend, Frontend & API Integration

Munich, Germany · info@akayguen.dev · DE · EN · Remote · from 85 EUR/h

PROFILE

Freelance software developer with nearly ten years of practical experience designing, building and maintaining production backend and frontend systems (vocational training since 2016, continuously freelance since 2019). Core focus on REST API architectures, relational databases (Oracle, MySQL, PostgreSQL, SQLite) and modern frontend frameworks (Angular, React, React Native). Specialised in data-driven backend pipelines, workflow automation and the productive integration of large language models. End-to-end delivery from architecture to production operations.

SKILLS

Backend & APIs

Java · Spring Framework · Python · REST API Design
OAuth 2.0 · Webhooks · Async Pipelines
Microservice Patterns · C# (Basic)

Frontend

Angular · React · React Native (Expo) · TypeScript
JavaScript ES6+ · HTML5 · CSS3 · SASS
Bootstrap · Responsive & Accessible Design

AI & Automation

LLM Integration (OpenAI, Anthropic, Qwen)
Prompt Engineering · n8n · Make
AI Image Generation · Vision APIs

Databases

Oracle · PL/SQL · MySQL · PostgreSQL · SQLite
Stored Procedures · Triggers · Index Tuning
Data Modelling · ETL · Power BI

DevOps & Tools

Git · GitLab CI · Jenkins · IntelliJ IDEA
Oracle SQL Developer · Linux · Cron · Logging
Monitoring

Quality

JUnit · Jasmine · Karma · Unit & Integration Testing
Code Reviews · Scrum · Kanban

EXPERIENCE

Founder & Software Developer

04/2024 - Present

Umbolement LLC · New Mexico, USA · Remote

- Multi-marketplace data pipelines in Python for concurrent management of multiple e-commerce accounts via REST and SOAP APIs (eBay, Amazon SP-API, Shopify Admin API, Pinterest, Meta).
- AI-driven workflow system for automated content generation, optimisation and image creation using OpenAI, Anthropic and Qwen language models.
- OAuth2 token lifecycle management with automatic refresh routines, rate-limit handling and resilient retry strategies.
- Relational data models in SQLite and PostgreSQL with indexing strategies, aggregation queries and ETL routines.
- Cron-based daemon processes, structured logging and monitoring pipelines in 24/7 production operation.
- Cross-platform mobile app with React Native, Expo and TypeScript (offline-first, multilingual, Skia data visualisation).
- Headless commerce storefronts on Shopify Hydrogen with React Router and server-side rendering.

Backend Developer (Freelance)

03/2024 - 09/2024

Munich · Remote

- PL/SQL programs for Oracle databases to improve data integrity, throughput and query performance.
- REST APIs in Java and Spring Framework integrating internal backend systems with external third-party services.
- Relational data models including stored procedures, triggers and targeted performance tuning of high-traffic tables.
- Migration of legacy components to modern Java-based architectures with backwards compatibility and zero-downtime delivery.
- Automated unit tests with JUnit to ensure code quality and regression safety.
- Contribution to agile development processes (Scrum, Kanban) including code reviews and sprint planning.

Frontend Developer (Freelance)

09/2019 - 12/2024

Experl Software & Solutions · Munich · Hybrid

- Scalable Angular single-page applications with modular component architecture and reactive state management via RxJS.
- Reusable UI components and shared service layers to reduce code duplication and simplify long-term maintenance.
- REST API endpoint integration for dynamic data visualisation, real-time updates and complex filter/search functionality.

- Performance tuning via lazy loading, OnPush change detection and bundle splitting.
 - Comprehensive unit tests with Jasmine and Karma plus end-to-end tests.
 - Cross-browser compatibility and accessible design per WCAG guidelines using HTML5, CSS3, SASS and Bootstrap.
 - Contribution to CI/CD pipelines (Jenkins, GitLab CI) for automated build and deployment workflows.
 - Close collaboration with UX/UI designers and backend teams.
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PERSONAL PROJECTS

Cross-Platform Mobile App

Cross-platform application for structured fitness tracking. Stack: React Native, Expo, TypeScript, Zustand, MMKV, Skia, i18n. Live in market.

Multi-Marketplace E-Commerce Platform

Python backend for parallel control of multiple e-commerce accounts with AI-assisted content generation and automated order fulfilment.

Headless Commerce Storefront

Headless e-commerce storefront on Shopify Hydrogen with React Router, server-side rendering and custom theming.

LANGUAGES

German — Native (C2) **English** — Professional working proficiency (C1)

EDUCATION

Vocational Training in Application Development (Fachinformatiker)

09/2016 - 08/2019

CREALOGIX, Puchheim

Vocational school grade: 1.8 (very good). Hands-on application development with HTML, CSS, JavaScript, Angular and SQL. Software quality assurance through automated testing with Jasmine and Karma. Database design, relational modelling and SQL programming. Agile development methods and version control with Git.
