

# MIRWAN AKAYGÜN

## SOFTWARE DEVELOPER

Backend · Frontend · API Integration

Full Remote

● AVAILABLE

Oberschleißheim, Bavaria · +49 155 63047024 · info@akayguen.dev

Born 19 September 1997 in Munich · single · German citizenship

### PROFILE

Software Developer with nearly 10 years of professional experience building scalable backend and frontend solutions.

#### Areas of focus:

- Design and implementation of robust REST API architectures
- Relational databases (Oracle, PostgreSQL, MySQL, SQLite) with a focus on performance and data integrity
- Modern frontend frameworks (Angular, React, React Native)
- Data-driven pipelines, workflow automation, and production integration of Large Language Models (LLM)

End-to-end, self-directed delivery from architecture through to production operation. Business-fluent English and extensive experience operating mission-critical systems.

**Technology focus:** Java · Spring Boot · Python · Oracle / PL/SQL · PostgreSQL · REST & OAuth2 · Angular · React · React Native · TypeScript · Git / CI/CD · LLM integration

### PROFESSIONAL EXPERIENCE

#### Software Developer · Umbolement LLC

03/2024 – present

New Mexico, USA · Remote

- Architecture and operation of complex Python-based integration platforms for seamless synchronization and orchestration of multiple e-commerce marketplaces via REST and SOAP interfaces with high concurrency and fault tolerance
- Development of intelligent automation systems using Large Language Models for dynamic price optimization, competitive analysis, and automated assortment expansion
- Design and implementation of an event-driven microservice architecture for real-time synchronization of inventory, pricing, and order data across multiple marketplaces
- Development of a central analytics dashboard with complex data models and real-time reporting capabilities for data-driven business management
- Design and optimization of a resilient backend infrastructure focused on caching strategies, load balancing, and automated scaling in the cloud
- Development and enhancement of a modern customer experience platform with responsive, high-performance web and mobile components
- Introduction of CI/CD pipelines and Infrastructure-as-Code to accelerate release cycles and improve software quality across production operations
- PL/SQL programs for Oracle databases to improve data integrity and query performance.
- REST APIs with Java and the Spring Framework to integrate internal backend systems and external third-party services.
- Relational data models including stored procedures, triggers, and performance optimization of high-traffic tables.
- Migration of legacy components to modern Java-based architectures with a focus on backward compatibility.
- Automated unit tests with JUnit to ensure code quality.
- Participation in agile development processes (Scrum, Kanban) including code reviews and sprint planning.

## Frontend Developer (Freelance) · Experl Software & Solutions 09/2019 – 02/2024

Munich · Hybrid

- Scalable Angular single-page applications with a modular component design and reactive state management via RxJS.
- Reusable UI components and shared service layers to reduce code duplication.
- Integration of REST API endpoints for dynamic data visualizations, real-time updates, and complex filtering and search functions.
- Performance optimization through lazy loading, OnPush change detection, and bundle splitting to reduce initial load times.
- Comprehensive unit testing with Jasmine and Karma as well as end-to-end tests.
- Cross-browser compatibility and accessible design following WCAG guidelines using HTML5, CSS3, SASS, and Bootstrap.
- Contribution to CI/CD pipelines (Jenkins, GitLab CI) for automated build and deployment processes.
- Close collaboration with UX/UI designers and backend teams.

## EDUCATION

### IT Specialist for Application Development · CREALOGIX 09/2016 – 08/2019

Puchheim · Vocational school diploma: grade 1.8 (very good)

- Practical application development with HTML, CSS, JavaScript, Angular, and SQL.
- Software quality assurance through automated testing with Jasmine and Karma.
- Database design, relational modeling, and SQL programming.
- Agile development methods and version control with Git.

## SKILLS & COMPETENCIES

<b>Backend &amp; APIs</b>	Java · Spring Framework · Python · REST API design · OAuth2 · webhook architectures · asynchronous pipelines · microservice patterns · C# (basic)
<b>Databases</b>	Oracle · PL/SQL · MySQL · PostgreSQL · SQLite · stored procedures · triggers · index tuning · data modeling · ETL routines · Power BI
<b>Frontend</b>	Angular · React · React Native (Expo) · TypeScript · JavaScript ES6+ · HTML5 · CSS3 · SASS · Bootstrap · responsive design
<b>DevOps &amp; Tools</b>	Git · GitLab CI · Jenkins · IntelliJ IDEA · Oracle SQL Developer · Linux servers · cron & daemon management · logging · monitoring
<b>AI &amp; Automation</b>	LLM integration (OpenAI, Anthropic, Qwen) · prompt engineering · n8n · Make · AI image generation · vision APIs
<b>Software Quality</b>	JUnit · Jasmine · Karma · unit & integration testing · code reviews · agile methods (Scrum, Kanban)

## LANGUAGES & SOFT SKILLS

<b>Languages</b>	German (native, C2) · English (business-fluent, C1)
<b>Soft Skills</b>	Analytical thinking · structured working style · ownership · clear technical communication · international client work · strong willingness to learn · resilience in continuous operations

Oberschleißheim, 6/7/2026

Mirwan Akaygün