
ARTUN CINGÖZ

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Project-driven Software Engineer who quickly adapts to new technologies and focuses on delivering impact. I build and improve backend development solutions using **JavaScript, Python, Java, C#, and SQL**; design **RESTful APIs** (Spring Boot / Node.js); and enhance performance with **microservices, Docker, and Redis**. I also streamline quality with **test automation** (Selenium), solid database management, thorough documentation, and version control (Git/GitHub).

Strong communication and collaboration in Agile/Scrum teams; proactive problem solving, attention to detail, and ownership from requirements to release. Always learning—prioritizing clean, scalable code and measurable results.

EXPERIENCE

Backend Developer Intern — ESEN (Defense Industry Project) | Ankara, TR | 07/2023–09/2023

- Worked as a **Backend Developer**; successfully delivered all tasks within **Agile/Scrum** routines.
- Built **CRUD endpoints, REST APIs**, and multiple **controllers** using **Java (Spring Boot)** across several modules.
- Produced **comprehensive documentation**, speeding up onboarding for new team members.
- **Optimized backend code** and algorithms; continuously **monitored system performance** and drove reliability improvements.
- Implemented **Redis caching** to reduce DB load, achieving **~20% faster** data retrieval; enabled **real-time inter-service** communication for RF data via Redis.
- **Automated** parts of the real-time data flow with **Python/Octave**, yielding **~60% faster** service-to-service communication.
- **Containerized** services with **Docker**; cut environment setup time **~30%** and reduced deployment times **~15%**.
- Tools: **Postman** (API testing), **Jira** (issue tracking), **Git** (version control), **Slack** (team communication).

Backend Developer Intern — SmartICT (Smart Cities / Aselsan) | Ankara, TR | 06/2022–09/2022

Enterprise Asset & Inventory Management (EAM) web platform (multi-tenant) enabling inter-unit communication across Aselsan branches.

- Delivered all senior-assigned tasks within **Agile/Scrum**; joined daily stand-ups and sprint ceremonies.
- Designed and implemented **RESTful APIs** and **controllers** with **Java (Spring Boot)** across multiple modules; created **25 reusable code modules**.
- Wrote **integration tests** (controllers/services) and **unit tests**; ran **UI regression tests** with **Selenium** and OSS tools, cutting manual regression effort **~30%**.

- Modeled data and wrote queries on **PostgreSQL**; supported frontend by contributing to **React** components when needed.
- Authored a clear **User Manual** and technical docs, accelerating user adoption and onboarding.
- Tracked **user stories/story points** in **Jira**, collaborated via **Slack**, and managed source code with **Bitbucket/Git**.

PROJECTS

Project Lead — Water Pollution Tracker (Cloud-backed Mobile/Web App) | Team of 6

Built a cloud-backed application to monitor water-resource pollution across Türkiye; combined user feedback and AI to generate pollution scores and awareness.

- Led a **6-member team**; set up **Jira** and **Git** workflows, streamlined communication, and minimized version-control issues.
- Defined **system architecture** and tech stack; **Node.js** for backend **REST APIs**, **JavaScript** for frontend; UI/UX designed in **Figma**.
- Implemented **authentication** with **JWT** and **Firebase Authentication**; integrated **Firebase Admin SDK**, **Cloud Firestore** (DB), **Cloud Functions**, and **Firebase Storage**.
- Designed and exposed **REST endpoints** and controllers on Node.js; documented APIs and usage patterns for the team.
- Built an **AI chatbot** module: integrated **OpenAI GPT APIs** and **fine-tuned** a domain-specific model to answer water-source questions.
- Authored a clear **User Manual** and technical docs, enabling fast onboarding and effective product use.

Tech: Node.js, JavaScript, Figma, Firebase (Authentication, Cloud Firestore, Cloud Functions, Admin SDK, Storage), JWT, OpenAI GPT APIs

SKILLS

Programming: HTML, CSS, Java, Python, C#, JavaScript (Node.js, React), Next.js

Frameworks & APIs: Spring Boot, RESTful API Design, Controllers

Databases & Caching: PostgreSQL, MySQL, SQL Server, Oracle, MongoDB, Redis

Testing & QA: Selenium, Integration & Unit Testing, Testing Frameworks, Postman (API Testing)

DevOps & Tools: Docker, Git (GitHub/Bitbucket), Jira, Slack, Vercel

Cloud/BaaS: Firebase (Authentication, Cloud Firestore, Cloud Functions, Storage), Google Cloud (basic)

LANGUAGES

Turkish — Native | English — B2 | German — A1 (learning)

AREAS OF EXPERTISE

RESTful APIs • Microservices • Test Automation & QA • SQL/RDBMS • Caching (Redis) Performance Optimization • Agile/Scrum • Technical Documentation

EDUCATION

B.Sc. in Software Engineering (MÜDEK Accredited), Atılım University, 02/2025

ACTIVITIES & COURSES

IEEE Member (2020–2021) • Drama Club, Atılım University (2021–2022) • Kuika Low-Code Programming (2023)