

İlker Özgen

Software Engineer in Test

Ankara, Türkiye

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Software Engineer in Test specialized in automated testing for web/mobile apps and building AI/RAG-powered test infrastructure. Experienced in Java-based test automation, API testing, CI/CD workflows, and Kubernetes environments with a focus on optimizing test workflows, reducing manual effort, and enhancing release quality.

EDUCATION

BILKENT UNIVERSITY

Bachelor of Science, Computer Science

Ankara, Türkiye

2019-2024

PROFESSIONAL EXPERIENCE

ASELSAN

Software Engineer in Test

Ankara, Türkiye

November 2024–present

- Designed and automated **1300+ functional test cases**, reducing manual testing effort by 55%.
- Built a **test management web application** to streamline data entry and generate statistical reports.
- Implemented and integrated a **Langflow and RAG-based AI assistant** into a test management platform to streamline database querying via natural language, internal workflows, and documentation.
- Led **24 full-cycle test executions** across multiple releases.
- Identified and reported **600+ defects**, improving system stability and release quality.
- Developed a **multi-user WebSocket load testing tool** to simulate configurable concurrent users.
- Implemented a **log monitoring tool** for Kubernetes environments to detect failures in automated test runs.
- Developed a **service simulator** to support integration testing between distributed systems.
- Executed functional, API, and integration testing across containerized microservices and mobile apps.

HEY TECHNOLOGY

Machine Learning Intern

ODTU Teknokent, Ankara, Türkiye

June 2023–July 2023

KONNEKA

Software Engineer Intern

Bilkent CYBERPARK, Ankara, Türkiye

August 2022–September 2022

AREAS OF EXPERTISE

AI & Smart Testing:

- RAG Architecture
- Langflow
- LLM Integration
- Text-to-SQL Automation
- AI-Driven QA Tools
- Prompt Engineering

Automation & Testing:

- Selenium
- TestNG
- Postman
- API Testing
- Functional Testing
- Regression Testing
- Test Case Design
- Test Execution
- Test Planning

Programming & Databases:

- Java
- C#
- Python
- JavaScript
- SQL / PostgreSQL
- Oracle DB

Infrastructure & DevOps:

- Docker
- Kubernetes
- CI/CD Workflows
- Azure DevOps
- Jira
- Confluence

PROJECTS

AnnoHub

September 2023-December 2024

- Created a data labeling platform, recognized with an entrepreneurship award, and attracted investor interest.
- Secured TÜBİTAK BİGG seed funding.
- Tech Stack: Python, FastAPI, React JS, PostgreSQL, Jira

CERTIFICATIONS

- [ISTQB Certified Tester - Foundation Level](#)
- [Object Oriented Design and Design Patterns](#)
- [IELTS - Academic - 7.5/9](#)
- [High Honour Certificate](#)

LANGUAGES

- Turkish, *Native*
- English, *Highly Proficient*
- German, *Beginner*

ACHIEVEMENTS & AWARDS

- Awarded an investment offer under the TÜBİTAK BiGG program, 2024
- First place in “İlk Yatırımım” Entrepreneurship Competition, 2024
- High Honour Student, Bilkent University, 2020