

Fatma Melike Buyruk

Computer Engineer
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GitHub Profile
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EDUCATION

Bachelor of Science in Computer Engineering, Izmir University of Economics
Full Scholarship | GPA: 3.63

2020 – 2024

EXPERIENCE

•Amadeus IT Group October 2025 – Present

Quality Assurance Engineer

A global travel technology company providing software solutions to airlines, airports, and travel agencies.

- Maintain and improve the existing automation framework using Playwright, keeping test coverage reliable and scalable.
- Analyze customer requirements to design clear and traceable test cases aligned with the system specifications.
- Set up test environments and data, execute both manual and automated test cases, and track issues using Jira.
- Collaborate closely with cross-functional teams in France, Germany, India, and Turkey as part of the Lufthansa Competency Center project.
- Work within the Scaled Agile Framework (SAFe®), actively participating in Agile Release Train events and sprint ceremonies.

•Nesine.com July 2024 – December 2024

Front-end Engineer Intern

Turkey's leading online sports betting and gaming platform, serving millions of users daily.

- Developed and executed unit tests using Jest and other JavaScript testing libraries, utilizing mock data to simulate complex scenarios and validate application logic.
- Optimized performance for data-heavy web pages, resulting in more efficient user experience.
- Collaborated in an Agile environment, using Scrum and sprint planning to manage and deliver project features efficiently.
- Built dynamic and responsive web applications using React and JavaScript, focusing on scalability and performance.

•P.I. Works August 2023 – July 2024

Junior Software Test Engineer

A global provider of AI-driven mobile network automation solutions, working with major telecom operators.

- Conducted extensive functionality testing of programs designed specifically for telecommunication companies, including Turk Telekom and Turkcell.
- Utilized Postman to perform comprehensive API testing and ensure data integrity.
- Developed and implemented automated testing functions using Selenium, improving testing efficiency and accuracy.
- Managed services and performed troubleshooting on Linux-based systems to support testing environments.
- Conducted database testing using PostgreSQL, ensuring data consistency and performance.

•ASELSAN July 2023 – August 2023

Software Developer Intern

Turkey's largest defense electronics company, developing advanced technology systems for military.

- Developed a web admin control panel for a defense communication mobile app using React for the front-end and Spring Boot for the back-end.
- Created a RESTful API to enable real-time data synchronization between the admin panel and the mobile app.
- Dockerized the project for efficient deployment and scalability.

•Izmir University of Economics September 2022 - Feb 2023

Student Assistant

- Supported student learning objectives (data structures, searching algorithms and object-oriented languages) through personalized and small group assistance.
- Reviewed lesson material with students individually or in small groups.

•FitThink June 2022 - July 2022

Software Developer Intern

- Created software that is responsive for both ios and android operating systems.
- Contributed to the development of algorithms using Flutter and React.

POSITIONS OF RESPONSIBILITY

- **Mentor for International Students** Izmir University of Economics Oct 2022 - Oct 2023
- Provided guidance and support to international students, helping them to acclimate to the university environment.
- **Co-Founder** Cyber Security Club - Izmir University of Economics Oct 2022 - Oct 2023
- Organized and conducted workshops and seminars on various cybersecurity topics.

ACHIEVEMENTS

- **Genç Beyinler Yeni Fikirler Graduation Project Competition Second Place** June 2024
- Developed “Divine,” a music interaction platform that analyzes audience preferences using AI algorithms and recommends songs to performers in real time. Built with React, Firebase, and Flutter.
- **Department Second Place and High Honor Certificate** Izmir University of Economics June 2024

TECHNICAL SKILLS AND INTERESTS

Languages & Web: Java, Python, JavaScript, C, MATLAB, HTML/CSS

Frameworks & Tools: React.js, Spring Boot, Node.js, Flutter, Docker, Git, GitHub, Jira, VS Code, Linux

Databases & Cloud: PostgreSQL, MySQL, MongoDB, Firebase

Testing & QA: Unit Testing, API Testing, UI Automation, Test Case Design & Execution, Playwright, Selenium, Postman, Jest

Methodologies: Agile, Scrum, SAFe®

Coursework: Data Structures, Algorithms, OS, OOP, DBMS, Software Engineering

Interests: Full Stack Development, Test Automation, Scalable Systems

Soft Skills: Problem Solving, Adaptability, Communication, Self-learning

LANGUAGES

Turkish: Native

English: Fluent