

# Furkan Erdoğan

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Elazığ, Türkiye

[Github](#)



[Linkedin](#)



[Portfolio](#)

## WORK EXPERIENCE

### Softtech

Oct. 2024 – Present

*Mid-Level Software Engineer - AI & Data Analytics*

*Istanbul - Remote*

- Developed sorting methods and implemented functionality in React components to optimize data processing using Map and similar techniques.
- Designed and implemented reusable components to enhance maintainability and scalability, improving application performance, optimizing rendering, and applying memoization techniques.

### Softtech

Sept. 2021 – Oct.2024

*Software Engineer - AI & Data Analytics*

*Istanbul - Hybrid & Remote*

- Designed and developed chatbots using Python, Node.js, and TypeScript, leveraging NLP models for various actions, gateways, and services.
- Integrated chatbots with Rasa and Botfront platforms for enhanced functionality.
- Developed user interfaces and design elements for chatbots with JavaScript and React.
- Implemented LDAP authentication systems and managed database operations using MongoDB.
- Conducted on-premises service integrations for chatbots.
- Containerized projects with Docker and deployed them on Kubernetes.
- Managed project workflows and lifecycle using Azure DevOps.
- Utilized Git for version control and established CI/CD pipelines for automated deployments.
- Planned and executed sprints using Agile methodologies in Jira.
- Automated business processes across various systems, including SAP and web applications.
- Deployed and monitored automation solutions to improve operational efficiency.
- Created detailed documentation, including Process Definition Documents (PDD), for automation workflows.
- Developed, tested, and maintained software products to meet business needs.
- Provided support and handled change requests for ongoing automation improvements.

### Softtech

Feb. 2021 – May 2021

*Intern Software Engineer - Micro Payment Channels*

*Istanbul - Remote*

- Conducted database checks and updates using Oracle to maintain data integrity.
- Performed API testing with Postman and SoapUI to ensure system functionality.
- Developed a link shortening algorithm in C# to enhance user experience.

### Firat University

Oct. 2020 – July 2021

*IT Department Research and Development Engineer*

*Elazığ - Remote*

- Conducted research and development in the IT department at Firat University for the International Symposium on Digital Forensics and Security (ISDFS).
- Collaborated with experts from academia, industry, and government to advance knowledge in Forensics, Cybersecurity, and Computer Science.
- Developed innovative solutions to enhance digital forensics and security practices at ISDFS, contributing to the symposium's success.
- Implemented cutting-edge technologies and methodologies to improve the understanding of crucial topics in the field.

- Developed Python and OpenCV algorithm to improve image and video processing accuracy by cleaning camera backgrounds.
- Researched TUBITAK projects for innovative technology solutions.
- Conducted research to support cutting-edge technology solutions for company projects.

## EDUCATION

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### Firat University

**2024 - Present***Master's degree, Software Engineering*

Elazığ

- Starting with the principles of machine learning and the fundamentals of deep learning, my goal is to grasp the processes of data analysis and modeling. Additionally, I am striving to become knowledgeable in cryptography by learning its basic concepts, aiming to understand secure communication and data protection topics. By examining algorithms based on swarm intelligence, and drawing inspiration from natural systems, I am researching articles to enhance my problem-solving and optimization abilities. I believe that my knowledge in these areas will increase my proficiency in understanding complex systems and generating innovative solutions to the technological challenges of the future.

### Anadolu University

**2024 - Present***Associate's degree, Securities and Capital Markets*

- I decided to enroll in the Associate Degree Program in Securities and Capital Markets to keep up with the rapidly changing structure of capital markets and gain strong knowledge in this field. I have always been interested in the functioning of financial institutions and the dynamics of capital markets. I believe this program will equip me with the necessary skills in the mathematical, legal, and economic aspects of capital markets. Additionally, it will help me build a solid foundation in the workings of global markets and financial instruments, supporting my career in the finance sector.

### Firat University

**2017 - 2021***Bachelor's degree, Software Engineering*

Elazığ

- **GPA: 3.02/4.0**