Utku Demirtas
Backend & DevOps Engineer

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EXPERIENCE

DevOps & Backend Developer

Extramus │ Jul 2025 – Sep 2025

- Developed HR management system backend components and document management infrastructure
- Implemented secure file upload mechanisms with Role-Based Access Control
- Built CI/CD pipelines using GitHub Actions to automate testing and deployment
- Containerized backend services using Docker for consistent deployment environments
- Worked with Node.js, TypeScript, and PostgreSQL in production-ready systems

Research and Development Engineering Intern

Telenity (R&D) │ Jun 2024 – Aug 2024

- Developed backend modules using Spring Boot
- Worked with Java, MongoDB, Kafka, and SQL-based systems
- Focused on bug fixing, performance optimization, and system stability
- Contributed to secure backend service development

VOLUNTEERING EXPERIENCE

Anticverse Tech

Educator, Co-leader │ 2022 – 2023

- I was in the management of the cyber security team and provided training on various topics such as data security and web security. I led several projects and took part in teamwork.

Teknofest – Ouroboros Team

Team Leader & Design Engineer │ 2021 – 2022

- Led drone design and development process
- Managed technical coordination within the team

EDUCATION

B.Sc. Computer Engineering │ Konya Food and Agriculture University — 2022 – 2026

PROJECTS

Reveil – AI-Assisted Self-Management Platform - ONGOING

- Backend system with authentication, behavior tracking, and AI-assisted features using prompt-based workflows
- Tech Stack: Node.js, TypeScript, Python, OpenAI API, REST APIs, JWT Auth

Extramus HR Management System - 07.2025

- Secure document management infrastructure with RBAC, CI/CD automation, and containerized backend services
- Tech Stack: Node.js, TypeScript, PostgreSQL, Docker, GitHub Actions

MIPS16 Pipeline Simulator - 11.2025

- 5-stage CPU pipeline simulator with hazard detection, forwarding logic, and visualization layer
- Tech Stack: Java, TypeScript, React, Verilog

Algorithm Performance Analyzer - 01.2026

- Sorting algorithm benchmarking tool with performance and memory analysis visualization
- Tech Stack: Spring Boot, Java, React, Vite

TECHNICAL SKILLS

Programming Languages

Java • Python • JavaScript • TypeScript • SQL • C++ • C# • Verilog

Frontend Frameworks & Libraries

Next.js • React • React Native • Vue.js

Tailwind CSS • Framer Motion • Lucide React

Backend

Node.js • Express.js • Spring Boot • REST API Development

Databases

PostgreSQL • MongoDB • MySQL • SQLite

DevOps & Tools

Docker • Git • GitHub Actions • Kafka • Postman • Linux

AI & Engineering Practices

OpenAI API Integration • Prompt Engineering

OOP • Clean Code • SOLID Principles

LANGUAGES:

- English - C1
- Turkish - Native