

ENES UCA

enesuca55@gmail.com | +90 (531) 933 9657

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SUMMARY

Full-stack software developer and DevOps specialist with hands-on experience in Docker, CI/CD pipelines, and cloud platforms. Successfully deployed four production web applications with 99%+ uptime. Strong proficiency in Next.js, Node.js, TypeScript, Java, and Spring Boot.

EDUCATION

Ondokuz Mayıs University – B.Sc. in Computer Engineering

EXPERIENCE

Freelance | Software Development (DevOps & SRE)

Nov 2023 – Present

- Designed and deployed production web applications using Docker, GitHub Actions CI/CD, and automated testing.
- Implemented enterprise authentication systems with JWT, bcrypt, email verification, and RBAC.
- Optimized MySQL database schemas, achieving 70% improvement in query response times.

Bentego | Data Engineering & Hadoop Intern

Jul – Sep 2023

- Performed data cleaning, transformation, and database querying using Python and SQL.

Eero Labs | Software Engineer Intern

Mar – Jun 2021

- Developed and maintained smart home networking devices and IoT platforms; integrated software modules with Python.

Quibi | Android Developer Intern

May – Oct 2020

- Developed Android applications using Kotlin and Java; implemented MVVM architecture, RESTful APIs, and Firebase integration.

Rizort | Backend Developer & Java Server Management Intern

Sep – Nov 2019

- Developed backend solutions for luxury resort booking platform; managed database design and optimization with MySQL.

SELECTED PROJECTS

tanhukukvearabuluculuk.com – Full-stack legal platform with Next.js 14, TypeScript, MySQL. Security with Iron Session, JWT, bcrypt, rate limiting; GitHub Actions CI/CD.

moilcars.com – E-commerce platform with Node.js, Express.js, MySQL. Intelligent recommendation engine, email verification, SEO optimization.

beyazinciklinik.com – Clinic management system with Node.js/Express.js. JWT authentication, RBAC (admin/doctor/assistant), Nodemailer integration.

fizyodinamik.com – Real-time appointment scheduling system. Conflict prevention, Twilio SMS/email notifications, Sharp image optimization.

E-Commerce Platform – RESTful API with Spring Boot 3.3.3, GitHub Actions CI/CD, Docker containerization, JUnit 5 and Mockito test coverage.

UserFlow – Enterprise state management with Redux Toolkit, 100% TypeScript coverage, JWT-based protected routes.

Optical Mark Reader – Bubble detection with 98%+ accuracy using OpenCV. Android form evaluation under 3 seconds.

Jewelry Management System – C# Windows Forms inventory management, ZXing.Net barcode integration, Entity Framework and SQLite.

Sensor Communication – IoT multi-hop wireless communication on Contiki OS with RPL routing and UDP over IPv6.

LibraryApp – C# Windows Forms library management with RBAC, SQL injection prevention, Entity Framework.

Airline Reservation – Thread synchronization with Java ReentrantLock, 24 concurrent thread simulation.

LinkSaver – Python web scraping tool (BeautifulSoup4), Docker containerization, 1000+ link processing capacity.

SKILLS

Backend: Node.js, Express.js, Spring Boot, Java, C#, Python

Frontend: React.js, Next.js, TypeScript, JavaScript, HTML, CSS, EJS

Mobile: Android (Kotlin, Java), Android Studio, Firebase

DevOps & Cloud: Docker, Kubernetes, GitHub Actions, AWS, Azure, Google Cloud, Git

Database: MySQL, PostgreSQL, SQLite, Entity Framework, Sequelize, Stored Procedures, Triggers

Big Data: Apache Spark, Hadoop, Cloudera

Architecture & Methodology: Microservices, Event-Driven, DDD, RESTful API, MVC, SOLID, Agile, TDD

Security: JWT, RBAC, bcrypt, Rate Limiting, Input Validation, Helmet, CORS

Testing: JUnit 5, Mockito, Unit Testing, Integration Testing

LANGUAGES & CERTIFICATIONS

Turkish: Native | **English:** C1 Advanced (EFSET Certified)

Git & GitHub (Udemy), Python Programming (Udemy), Web Development (Udemy), Advanced Java Programming (LinkedIn Learning)