# ERDİNÇ ÖZDEMİR

## Java Developer | Software Engineer

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## SUMMARY

I am a **software engineer** in Java-based backend web application development, with a skill set that **includes Java 8+, Spring Boot, SQL, Spring Data JPA/Hibernate, RESTful APIs and Spring Security.** I have an interest in developing Financial applications. I enjoy working with **Microservice architecture.**

I live in Istanbul, Turkey, and completed my Bachelor's degree in Electrical and Electronics Engineering. I am currently pursuing a thesis-based **Master's degree in Computer Engineering** at Kocaeli University, Turkey. I have enhanced my software skills through courses from various institutions.

## EXPERIENCE

### Java Backend Developer

**MediSA** (via Mindtech)
Dec 2024 - Present ( 5 months )
Istanbul / Turkey

Project Summary: MediSA Health Insurance Application - **Microservices Project** - Java 17, Spring Boot, OracleDB, Hibernate, Spring Data JPA, Maven, Git, Bitbucket, Jira, XML, Config Server, API Manager, ELK Stack (Elasticsearch, Logstash, Kibana), Dynatrace, Nexus, SonarQube, Swagger, Postman, Jenkins, Rancher, Agile Methodologies

- Worked on the claims management module of Medisa's health insurance application, developing microservices for processing insurance claims, calculation of remaining limits, and claim status tracking.
- Developed and optimized RESTful APIs for microservices using **Java 17 and Spring Boot** and managed database operations through **OracleDB and MongoDB, Spring Data JPA, Hibernate.**
- Secured API access with API Manager and centralized configurations using Config Server.
- Automated deployments with CI/CD pipelines in **Jenkins**. Used **Rancher** to manage Kubernetes workloads efficiently.
- Monitored and analyzed system performance with **ELK Stack and Dynatrace.** Ensured code quality with **SonarQube** and managed dependencies via **Nexus**.
- Documented APIs with **Swagger** for smooth integration. Conducted thorough API testing using **Postman**.
- **Worked in Agile** teams, tracking progress with **Jira**. Collaborated using **Git** and **Bitbucket** for version control.

### Java Backend Developer

**Qkare Information Technologies** ( via Kraft Technologie )
Sep 2023 - Dec 2024 ( 1 year 4 months )
Istanbul / Turkey

Project Summary: HR Management Application with **Financial Operations – Modular Monolith** Project - Java 17, Spring Boot, PostgreSQL, Spring Data JPA, Hibernate, Spring Security, MinIO, Log4j, Swagger, Postman, Git, GitLab, Redmine, Maven
- Designed and developed a scalable **multi-tenancy** HR and Invoice Management system, enabling efficient payroll processing, employee records management, leave tracking, expense handling, and invoicing for multiple clients, including outsourced companies.
- Designed and implemented **modular monolith** architecture using **Java 17 and Spring Boot**. Followed MVC architecture, managing dependencies with **Maven**. Implemented authentication, role-based access, and 2FA using **Spring Security**.
- Integrated **MinIO** for secure storage of employee records, CVs, and invoices. Configured **Dockerized PostgreSQL** for local and remote database use. Optimized database interactions with **Spring Data JPA and Hibernate**.
- Enhanced logging and monitoring with **Log4j**. Documented APIs with **Swagger** and **Postman** for seamless collaboration.
- Used **GitLab and Redmine** for version control and task tracking.

### Java Backend Developer Intern

**Aglontech**
Jan 2023 - Sep 2024 ( 9 months )
Istanbul / Turkey

Project Summary: Invoice Management System - **Monolithic Project** - Java 17, Spring Boot, MySQL, Spring Data JPA, Hibernate, Spring Security, Swagger, Postman, Git, Bitbucket, Jira, Maven
- Developed a corporate **invoice management application** to handle billing, invoicing, expense tracking, and financial record-keeping for companies and outsourced service providers.
- Enhanced my Java Backend skills through internal trainings and mentoring.

## EDUCATION

**Kocaeli University**
**Computer Engineering**
- After graduating in **Electrical - Electronics Engineering**, I am continuing my **thesis-based master's degree** in **Computer Engineering**

**Marmara University**
**Law**
- After graduating in **Electrical - Electronics Engineering**, I studied law as a hobby during the covid-19 period.

## SKILLS

**Backend Development:**
- **Java:** Java 8, 11, 17, Java SE Core, IntelliJ IDEA, Eclipse IDE, Maven, Gradle, Git, GitHub, OOP (Encapsulation, Inheritance, Polymorphism, Abstraction), Collections, Generics, Streams, Lambda, Concurrency, Exception Handling
- **Spring Framework:** Spring Boot, Spring Security, Spring Data JPA/Hibernate, RESTful Web Services, CRUD, REST API, XML, JSON, MVC, Design Patterns, SOLID Principles, SDLC, JWT, Apache Tomcat, Open JDK, Oracle JDK, JVM

**Basic Level Knowledge Areas:**
- **Microservices:** Spring Cloud, ConfigServer, API Gateway, Open Feign, RabbitMQ, Docker, Authorization, CircuitBreaker, Zipkin, Sleuth, NoSQL (Redis), Kafka, Logstash, Elasticsearch, Kibana, Rancher, Dynatrace
- **Frontend Development:** Angular, React, JavaScript, TypeScript, Bootstrap, CSS, HTML, Redux, RestAPI, GraphQL
- **Database Management:** SQL, RDBMS (Oracle DB, PL/SQL, PostgreSQL, MySQL), NoSQL (MongoDB)
- **Test Automation (TDD):** JUnit, Mockito, Postman, Swagger (Open API), YAML
- **DevOps & Cloud:** Docker (Hub, Image, Container, Compose, Volume), Jenkins (Groovy), Kubernetes (Pod, Deployment, Service)

## CERTIFICATIONS

**Java Backend BootCamp**
Mimar Aslan, titled Oracle ACE - Nov 2023 - Feb 2024

**Advanced Java Backend Developer Course**
Patika - Aug 2023 - Nov 2024

**Advanced React Frontend Developer Course**
Patika - May 2023 - Aug 2023

**B1 Intermediate Level English Certificate**
Just English Language Course - Feb 2023 - Apr 2023

## ACHIEVEMENTS

**Academic Personnel and Postgraduate Education Entrance Exam (ALES) Score**
Turkish Higher Education Council (YOK) - Apr 2022
Scored 91 out of 100

**University Entrance Exam Ranking**
Turkish Student Selection and Placement Center (OSYM) - Jul 2020
Ranked 187th out of thousands of participants

## VOLUNTEERING

**Turkiye Java User Group**
Nov 2023 - Feb 2024 ( 4 months )
Istanbul / Turkey
- Provided mentorship support in the Java Backend Bootcamp organized by Mimar Aslan, only Turkish Oracle ACE in the field of Java.