

MUHAMMED EMRE EĞER

Junior Java Backend Developer

Java | Spring Boot | Spring Security | REST APIs | PostgreSQL

Istanbul, Türkiye · +90 539 375 26 64 · m.emre.eger@gmail.com

GitHub: github.com/memreeger · **LinkedIn:** linkedin.com/in/m-emre-eger · **Medium:** medium.com/@m.emre.eger

PROFESSIONAL SUMMARY

Computer Engineering graduate building backend systems with Java and Spring Boot. Develops secure RESTful APIs with Spring Security, JWT, Spring Data JPA/Hibernate, PostgreSQL and Flyway, applying layered architecture, OOP and SOLID principles to keep business rules, data access and security concerns clearly separated. Project work covers relational data modeling, role-based and ownership-based authorization, database migrations and schema validation. After several years of client-facing commercial experience, returned to software engineering with a deliberate focus on Java backend development and hands-on project building. Working knowledge of React and TypeScript supports collaboration across the full product.

TECHNICAL SKILLS

Backend: Java, Spring Boot, Spring Security, Spring Data JPA, Hibernate, REST APIs, JWT, Maven, Swagger

Database: PostgreSQL, SQL, Flyway, JDBC

Architecture & Engineering: OOP, SOLID, Layered Architecture, Design Patterns, Dependency Injection, DAO, DTO, RBAC, REST API Design

Frontend: React, TypeScript, JavaScript, Tailwind CSS, shadcn/ui, Context API, React Hook Form, Zod, i18n, Firebase

Tools: Git, GitHub

SELECTED SOFTWARE PROJECTS

Suplog

Supplement, Medicine & Reminder Tracking Platform

Java · Spring Boot · Spring Security · JWT · Spring Data JPA · Hibernate · PostgreSQL · Flyway · REST APIs

- Designed and built a Spring Boot REST backend on a layered architecture with DTOs, request validation and global exception handling for consistent API error responses.
- Implemented JWT authentication with Spring Security, adding token revocation and token versioning so issued tokens can be invalidated on demand.
- Enforced role-based access control (RBAC) and ownership-based authorization so users reach only their own data, and exposed dedicated admin APIs for privileged operations.
- Modelled a supporter-sharing system with scoped routine permissions and timezone-aware routine execution tracking across pending, completed, skipped and missed states.
- Managed schema evolution with Flyway migrations, protected data integrity with PostgreSQL constraints and enabled Hibernate schema validation to keep entities and database in sync.
- Added internationalization (i18n) support and a soft-delete lifecycle that preserves records without physical removal.

Arcane Game

Persistent Java Card Game Engine

Java · PostgreSQL · JDBC · OOP · SOLID · DAO/DTO · Design Patterns

- Built a stateful four-round card game engine in Java with user authentication, difficulty levels and rule-based scoring.
- Modelled three 40-card decks using enums, EnumSet and the Factory pattern within a layered architecture based on OOP and SOLID principles.
- Structured data access with DAO and DTO patterns over JDBC, using prepared statements for PostgreSQL queries.
- Persisted game state in PostgreSQL so users can resume interrupted games where they left off.

NORA Shop

E-Commerce Application

React · TypeScript · Firebase · Context API · React Hook Form · Zod · Tailwind CSS · i18n

- Developed a responsive, multilingual e-commerce application with Firebase authentication, user-specific persistence and theme support.
- Built a guest-to-authenticated flow that syncs the localStorage cart and favourites to Firebase after login.
- Created listing, product detail and checkout views with URL-based filtering, pagination and SEO metadata.

Additional Projects: Social Media Platform · Food Explorer · Developer Portfolio · Multi-Step Payment Form

PROFESSIONAL EXPERIENCE

Software Engineering Intern Kadir Has University Istanbul	Oct 2020 – Nov 2020
- Developed a modular ordering application in Java and JavaFX using object-oriented design and event-driven programming. - Applied debugging, testing and performance analysis throughout the software development lifecycle.	
Real Estate Consultant Family Business Istanbul	Jan 2020 – Nov 2024
- Managed client-facing processes end to end, analysing client needs and translating them into concrete requirements. - Conducted market research and customer analysis to support commercial decisions. - Strengthened stakeholder communication, commercial awareness and structured problem-solving.	
Hardware Intern Türk Telekom Istanbul	Jul 2017 – Sep 2017
Performed hardware diagnostics and troubleshooting on computer and network equipment, and documented findings.	

EDUCATION

Kadir Has University, B.S. Computer Engineering	2020
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LANGUAGES

Turkish (Native) · English (Working Proficiency) · Russian (Basic)