Mohamed Yousry Abouelhoda Backend Software Engineer

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Professional Summary

Backend Software Engineer with experience in building RESTful APIs and Spring Boot applications. Strong in Java, OOP, PostgreSQL, Hibernate, and system design. Developed scalable backend services for e-commerce and enterprise applications. Familiar with microservices architecture, Spring Security, JPA, Docker, and CI/CD.

Professional Experience

Backend Software Engineer, *Freelancing*   12/2024 – Present
                                                                                                Cairo, Egypt
- Developed RESTful APIs using Spring Boot, Hibernate, and PostgreSQL for e-commerce applications.
- Implemented JWT-based authentication, role-based authorization, and global exception handling.
- Designed relational database schemas and optimized queries using JPA & Hibernate.
- Deployed applications using Docker and managed version control using Git/GitHub.

Full Stack Engineer, *S. Aboghalia Consulting Office*   05/2022 – 11/2024
                                                                                                Mecca, KSA
- Developed a real-time transformer monitoring backend using Node.js, WebSockets, and MySQL to process 10,000+ sensor data points daily.
- Built server-side file management system and real-time chat application.
- Designed and deployed backend APIs and database schemas.
- Collaborated using Git-based workflows and containerized applications using Docker.

Skills

Backend Technologies: Java, JavaScript, TypeScript, Node.js, Express.js, Spring Boot, WebSockets, RESTful APIs, Spring Security, Spring Data JPA, Hibernate, Microservices, JUnit

Databases: PostgreSQL, MySQL, Oracle, Redis, No-SQL, SQL

Tools & DevOps: Git, GitHub, Docker, Bash, CI/CD, GitHub Actions

Software Engineering: Algorithmic Problem Solving & Analysis, Design Patterns, SOLID Principles, OOP

Education

Postgraduate Diploma in Computer Science, *Cairo University*   Present

Bachelor's Degree in Computer Science, *6th of October University*   02/2019

Certificates

Spring Boot 3, Spring 6 and Hibernate, *Udemy*   Present

Oracle 12c Developer, *Next Academy*   09/2024

Learning REST APIs, *LinkedIn Learning*   06/2022

SOLID Principles, *Udemy*   06/2022

Data Structures and Algorithms, *Coursera & NTL*   06/2018

Languages

Arabic — Native/Bilingual   **English** — Proficient