Amir Ibrahim Elkased

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📍 Cairo, Egypt.   in Linkedin Profile

GitHub   LeetCode

PROFILE

Driven Software Engineer with a strong, adaptable mindset and expertise in Java back-end development. Proficient in Java, Spring Framework, Hibernate, MySQL, and Jakarta EE, with a solid foundation in Object-Oriented Programming, Data Structures, and Algorithms. Eager to contribute technical skills and problem-solving abilities to a full-time Java Software Engineer role.

EDUCATION

2019 Jul – 2024 Jul   **Faculty of Electronic Engineering, El Menoufia University.**
Computer Science and Engineering Department

PROFESSIONAL EXPERIENCE

2024 Aug – 2024 Oct   **Java Full Stack Software Engineer**
@Fawry
- Built robust back-end solutions with Java, Spring, and JPA, emphasizing OOP, design patterns, and RESTful APIs.
- Developed dynamic front-end components using JavaScript, TypeScript, and Angular.
- Applied DevOps practices and agile methods, leveraging Docker for streamlined containerization.
- Delivered an e-commerce microservice using RabbitMQ for messaging and Docker for multi-container deployment.

SKILLS

- Java SE
- OOP
- Spring Data JPA
- Spring MVC
- SQL
- CSS
- Design Patterns and SOLID principles
- Typescript
- RabbitMQ
- JUnit and Mockito
- Java 8
- SpringBoot
- Hibernate
- RESTful API
- HTML
- JavaScript
- Git and GitHub
- Angular 18
- Docker

PROJECTS

Order Service ⬈
Microservice of e-commerce web services
Developed a comprehensive Order Service using **Spring Boot**, **Spring Data JPA**, and **MySQL**, handling order management through REST APIs. Implemented **SAGA pattern** for distributed transactions, ensuring rollback on failure, and used **RabbitMQ** for asynchronous messaging. Interfaced with Store, Product, and Bank services via REST APIs, containerized the application with **Docker**, and deployed it to **DockerHub**.

Product Service ⬈
Microservice of e-commerce web services
Developed a robust Product Service consisting of CRUD APIs for managing products, categories, and brands, built with **Spring Boot**, **Spring Data JPA**, and **MySQL**. Integrated **RabbitMQ** for asynchronous communication and deployed the service via **DockerHub**. Created an **Angular-based UI** to provide a user-friendly interface for product management.

Financial Data Analytics API ⬈
Graduation Project
This project is a **Financial Data Analysis API** that provides endpoints for stock predictions, user authentication, and market indications. It is built using **Spring Boot**, with **Spring Data JPA** for database interaction, **OpenAPI** for API documentation, and **JWT** for security. The project also integrates with a machine learning model for generating stock predictions.

Todo API Service ⬈
SpringBoot 3 API Service
This secure Todo API, built with **SpringBoot 3** and safeguarded by Spring Security with **JWT** Tokens, utilizes **Spring Data JPA** and **Hibernate** for effective database entity management. It offers features such as user authentication, registration, and CRUD operations for to-do list task management.

Employee Directory ⬈
SpringBoot Web Application
This project was developed using Spring Boot 3 and incorporates the **Thymeleaf** Template Engine to execute the **Spring MVC** principle.

Product Catalog Management ⬈
servlet and jsb web app
This project, utilizing Jakarta EE, **Servlet**, **JSP** (HTML, CSS), MySQL, and Maven, delivers a secure to-do list management system. Users can log in/out, register, create, update, and delete tasks for an efficient and organized experience.

VOLUNTEER

2022 Aug – 2023 Jul	**Java Instructor**	
Cairo, Egypt	Teaching candidate Java Foundation, OOP, and Collections.	

LANGUAGES

Arabic
Native Language

English
Good command of both written and spoken English