

Mohamed Mabrouk Fekri

Java Backend Developer

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PROFILE

Experienced Java Backend Developer with expertise in Java Core, Spring Boot framework, OOP concepts, databases, data structures, algorithms, and problem-solving. Capable of analyzing difficult issues and developing novel solutions.

EDUCATION

Ain Shams University

10/2021 – 07/2025

Bachelor's Degree in Computer Science and Information Systems

- **Department:** Computer Science (CS).
- **Cumulative GPA:** 3.441 (B+).

PROFESSIONAL EXPERIENCE

Scale AI, Inc.

07/2023 – 10/2023 | Remotly

Software Engineer

- **Algorithm Development:** Developing algorithms to solve problems and tasks assigned by the task requester.
- **Code Review and Quality Assurance:** Reviewing and evaluating code submissions from other contributors and providing feedback.
- **Bug Fixing:** Identifying and fixing bugs or issues in the code.
- **Code Testing and Validation:** Writing and executing test cases to validate code functionality and verify expected outcomes.

PROJECTS

E-Commerce

A Spring Boot project designed to manage a REST API and handle eCommerce transactions. It leverages the power of Spring Boot to create an efficient, scalable, and easy-to-maintain backend system. The frontend is built using Next.js, providing a fast and dynamic user experience.

Data JDBC HR project

A simple Java project using the Spring Boot framework and JDBC template, which purpose is to show layers in Spring Boot and usage of each of them.

Data JPA HR project [↗](#)

Java program using the Spring Boot framework and JPA template, which manages relationships between employees, departments, employee users, and the role of each employee user.

Data JPA Books project [↗](#)

Java program using the Spring Boot framework and JPA template, which manages relationships between books and authors. Including base repository, base service, and base entity. Applying validations, custom validations, and specifications.

Spring-security-demo [↗](#)

This project demonstrates how to build a simple Spring Boot application with JWT-based authentication and authorization using Spring Security. The application will allow users to log in, obtain a JWT token, and use that token for subsequent requests to authenticate and authorize users for access to protected resources.



SKILLS

Programming Languages — Java, C++, Python, C, C#, JavaScript.

Frontend Development — Next.js, CSS, HTML.

Backend Development — Spring Boot Framework, Spring Data, Spring Security, Hibernate, RESTful APIs, MySQL, Postman, SOLID Principles.

Soft Skills — Problem-Solving, Collaboration, Communication, Time Management.