

Haneen Mohammed

Software Engineer

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Summary


Undergraduate Computer Science student specializing in Java backend development with Spring Boot. Passionate about problem-solving, writing clean and efficient code, and building scalable applications. Continuously expanding my skills through hands-on projects and learning opportunities, always striving for growth and improvement.

Experience

Spring Boot Bootcamp

Nov 2024 – Apr 2025

Backend Developer Intern

- Participated in an intensive 6-month training program focusing on back-end development with Java.
- Completed multiple tasks and projects to deepen understanding of backend development [Tasks](#) 
- Acquired hands-on experience with a wide range of technologies, including:– Spring Modules, JPA, Hibernate, API Design, Maven, Swagger, Postman, Unit Testing, and Microservices.

Software Engineer Internship @Fawry

Dec 2024 – Mar 2025

Software Engineer Intern

- Gained hands-on experience in full-stack development using **Java Spring** and **Angular**.
- Assisted in various stages of software development, including frontend, backend, and database management.
- Developed practical skills in **Spring Framework, JPA, Docker, Git, and unit testing**.
- Collaborated with a team to understand and implement business requirements effectively.
- Enhanced problem-solving abilities and technical knowledge through real-world application.

Education

B.S in Computer Science Menoufia University

2021 – Jun 2025

Projects

Book Management System

Spring Boot application for managing authors and books, featuring a comprehensive set of features including Base Entity configuration, Custom Exception Handling, Advanced Search with Specifications, Data Transfer Objects (DTOs), Validation using Hibernate Validator, Custom Error Attributes, Auditing, Custom Exception Classes, Unit Testing, and full CRUD Operations.

Tools & Technologies:

Spring Boot, JPA, Hibernate, Spring Data JPA, Hibernate Validator, Spring AOP, Spring MVC, Spring Security, JUnit, Maven, Postman, Git.

Student-Course Management System

Backend application Practice using Java Spring MVC to manage academic data as CRUD operations, Enrollment validation, data persistence using JPA, Validation, Logging, Basic security, Transaction management, and other features

Tools & Technologies:

Java Spring MVC, JPA, Hibernate, Maven, RESTful APIs, Postman, Git, MySQL.

E-commerce Management System

Applied MVC architecture for code organization and followed Object-Oriented Programming (OOP) principles. The system allows for product registration, employee management with assigned roles, and tracking sales transactions with invoice recording, among many other features.

Tools & Technologies:

Java, Java JDBC, JavaFX, MySQL Database

Servlet JDBC

Simple Servlet JDBC Project ,Applied CURD Operations

Tools & Technologies: Servlet | JDBC | MySQL Database

Skills

Spring Boot Framework

Spring Core | Spring JPA | Hibernate | Spring Boot | Spring Security

Java

JavaFX | JavaSE | OOP | Collection | Multithread | JavaEE | JSP | Servlet

Core Concepts

OOP | Data-Structures | Algorithms | SOLID Principles | Design Patterns | Database Systems |
Microservices | Unit Testing.

Programming Languages

Java | C++ | JavaScript | HTML | CSS | Python

Extra-Activity

- **Participated in the Egyptian Collegiate Programming Contest (ECPC) 2023.**
- **Solved over 1000 algorithmic problems on platforms such as Codeforces, LeetCode, Atcoder, and UVA online judges.**
- **Participated in ORANGE training** Certified in Software Engineering Fundamentals with a focus on OOP, Design Patterns, and Unit Testing in C++.

VOLUNTEERING AND LEADERSHIP EXPERIENCE

Eltalb Elhasobaty

Social Media Team Leader.

ICPC Menofia, Social Media Team Member.

Eltalb Elhasobaty Development Team Member

Problem Solving Instructor in Training at my University and teaching data structures, algorithms, and advanced competitive programming topics to students.