

# Muhammad Hussein

Java Backend Developer

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 [LinkedIn](#)

 [GitHub](#)

[Leetcode](#)

[Codeforces](#)

## Profile

Back-end developer with experience in Java, Spring Framework. I participate in competitive programming. computer science student. Strong problem-solving skills and a passion for coming up with new and innovative solutions. I am confident that my skills and experience make me a valuable asset to any team. I am a highly motivated and self-driven individual with a strong work ethic. I am also a quick learner and I am always eager to take on new challenges. I am currently looking for a position as a back-end - developer in a company that is passionate about innovation and user experience. I am confident that I can make a significant contribution to your team and help you achieve your goals. Pupil on codeforces. From top 16% on leetcode

## Education

**BSc Computer Science** *University of Fayoum (Eelu)*

**Fayoum, Egypt** 2021-2025

## Projects

### Book Store Online App

3/2024

- Comprehensive e-commerce application designed specifically for selling books online .
- It's developed using Spring Boot, Spring AOP , Redis(Cache system), MySQL, Spring data jpa/hibernate, Junit, Mockito

### Customer Data Service

11/2023

- Micro Service Multi Connecteurs : REST, SOAP, GraphQL
- Implemented using Spring Boot, Spring Mvc, ModelMapper

### Maze Game

10/2023 -

- It's developed using Python and Dfs Algorithm
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## ADDITIONAL EXPERIENCE

Solving over 1000 algorithmic problems on Codeforces, Leetcode, Uva online judges. I participate in more than 50 contest in programming and used java and c++. I worked as java instructor with dragons.

## TECHNICAL Skills

- **General Skills** OOP, Reactive Programming , Data Structures, Algorithms,
- SOLID, Unit and Integration Test , Design Patterns, SQL and NOSQL databases, Python
- **Back-end** Relational Database: Transactions , Indexes, SQL, Normalization , Relationships, ERD.
- JDBC : Connection, Statement, PreparedStatement, ResultSet.
- JPA/Hibernate : Configuration, Mapping, Cascade and Fetch Type , Native and Named Queries, Pagination, Projection, Load Graph.
- NOSQL Database : Document-Oriented , MongoDB.
- JAVA SE: OOP, Collection Framework, Exception Handling, Multithreading, Synchronization, File Handling, Date Time, Lambda Expressions, Streams API, Default Methods , Functional Interfaces, Method references, Optional class, Stream Filter.
- JAVA EE: Web and Application Containers, Servlets, JSP.
- **Spring framework** Spring (Boot, WebFlux, MVC, AOP, Security, DATA), JUNIT and Mockito framework , Integration and Unit Testing
- **Web Services** GraphQL, RestFul, Soap

- **Dev Tools** IntelliJ, Visual studio code, NetBeans, Eclipse

## Online Courses & Certifications

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- ccna routing , switching and wireless essentials (Jan. 2024) - [Cisco Networking Academy](#)
- Problem solving (Feb. 2024) - [HackerRank](#)

## Languages

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- **Arabic** [Native]
- **English** [Basic] - Learning