OMAR MAHMOUD

Java Software Engineer

Phone: +201141965121
LinkedIn: https://www.linkedin.com/in/omar1212/
Email: omaribnqenawy@gmail.com
GitHub: https://github.com/omar-mahmoud-java-developer

Objective

As a recent computer science graduate, my objective is to leverage my strong foundation in Java SE and the Spring framework to contribute effectively to your organization. I am enthusiastic about expanding my expertise and applying my knowledge to develop robust and scalable applications. My goal is to continuously enhance my skills and make meaningful contributions to the success of the team and the company as a whole.

EXPERIENCE

Java Backend Web Developer–ERC(Internship) 🗓 May 2024 –present∙

- contributed to the development of a web application named "Legal System" using Java, Spring Boot, Thymeleaf, and MySQL.
- Collaborated with a team to implement features allowing two types of users, normal and legal, to register, log in, upload files, add descriptions, edit, delete, and await approval or rejection from legal users.
- Utilized Apache Tomcat and Apache for deployment and Postman for testing purposes.
- Gained hands-on experience in software development methodologies and practices within a professional environment.

Principles of Banking-EBI(Training) 🗓 January 2024 -February 2024

- Understanding of the banking system, its products, and services.
- Proficiency in banking principles.
- Knowledge of the role of technology in the banking sector.
- Eligibility to work in banks and financial technology companies.

Principles of java and spring boot-EBI(Training) 🗓 January 2024 -February 2024

- Understanding of Java programming language principles.
- Proficiency in using the Spring Boot framework to build modern web applications.
- Ability to design and develop scalable applications.
- Hands-on experience working on real-world software projects.

IT Helpdesk- ISUPPORT-(Training) 🗓 January 2023 -February 2023

- I have practical experience in providing helpdesk support, assisting users with technical issues, and ensuring timely resolution of support tickets

SKILLS

Java: OOP, Stream, Thread, Collections, Web servers, Hibernate, APIs, JDBC.

Spring Framework: Boot, Web, Hibernate, REST, APIs.

Front End: HTML5, CSS3, MVC.

Familiar with: Database, MySQL, SQL Server, Postman, Data Structure, Algorithms, Python, Problem-solving, ISTQB Foundation Level.

PROJECT

GoTech (Graduation project)

Developed a dynamic e-commerce website for selling electronic devices, showcasing backend expertise and user-centric design.

• Frontend Development: Built web pages using HTML, CSS, and JavaScript, ensuring a visually appealing and interactive user experience.

• Backend & API: Created a robust backend and API infrastructure to handle user accounts, product listings, sales transactions, and data management.

• Database Design: Developed an Entity-Relationship Diagram (ERD) to effectively structure and manage website data.

• Quality Assurance: Conducted comprehensive testing, identifying and resolving bugs to ensure optimal website performance and reliability.

Legal System Web Application

web application facilitates file management and approval workflows for normal and legal users, allowing file upload, description addition, editing, deletion, and approval/rejection processes.

Designed and developed a web application named "Legal System" as part of an internship project at ERC Company.

Implemented features to facilitate registration, login, file management, and approval workflows for normal and legal users using Java, Spring Boot, Thymeleaf, and MySQL.

Employed Apache Tomcat and Apache for deployment and Postman for testing to ensure application reliability and functionality.

Demonstrated strong problem-solving skills and attention to detail throughout the development lifecycle

Employee Management System- GitHub link

Developed a Java-based Employee Management System using JDBC to effectively manage employee data in a MySQL database. Implemented CRUD operations (create, read, update, delete) for employees.

Creation of new employee records with details like name, gender, birth date, and salary.

Retrieval of employee information by ID or name.

Proficient Java programming, including object-oriented concepts, data structures, and algorithms.

Strong understanding of relational databases (MySQL) and JDBC for database interactions.

Effective application of the Builder design pattern for improved object creation

Tools and Technologies: Java, MySQL, JDBC, Build tool (Maven) and IDE (Eclipse)

Online Book Store (Java Spring Boot) GitHub link

Developed a secure and scalable RESTful API for an online book store using Spring Boot, Spring Security, Spring JPA, MySQL, and Java Mail. This project highlights proficiency in the following technologies:

Modern development: Spring Boot framework for rapid application development.

API security: Spring Security for user authentication and authorization.

Data persistence: Spring JPA for seamless database interaction with MySQL.

Email integration: Java Mail for sending order confirmations or other notifications.

COURSEWORK

Algorithms Analysis and Design (cloud camp native) 🗓 June 2023

• I mastered efficient search algorithms like linear and binary search, along with sorting algorithms like bubble sort and merge sort.

• I refined my skills in writing clean, readable, and efficient code, optimizing for both time and memory usage

• using programming languages like Python, Java, and C++.

Data Structures Decode (cloud camp native)🗓 August 2023

• I learned about different types of data structures such as linked lists, arrays, stacks, and queues.

• understood how each data structure works and how to use it efficiently.

• using programming languages like Java and C++.

ISTQB Foundation Level Complete Training (Nezam) 🗓 March 2023

• I grasped the core concepts of software testing, its role in the software development life cycle (SDLC), and the various testing methodologies.

• gained comprehensive knowledge of various testing techniques like black-box and white-box testing, equivalence partitioning, boundary value analysis.

java and spring boot(EBI) ▦ January 2024

. Master Java fundamentals: You'll solidify your understanding of core Java concepts like object-oriented programming, data structures, and algorithms.

. Build web applications efficiently: Spring Boot streamlines development, allowing you to create full-stack applications quickly and easily.

. Explore modern web technologies: You'll be exposed to in-demand areas like REST APIs, and database integration.

Core Java Programming (MaharaTech)▦ April 2024

. Understand the fundamentals of Java programming language syntax and semantics. This will equip you with the building blocks to write Java programs.

. Gain experience in writing Java programs to solve problems. Through hands-on coding exercises, you'll develop your problem-solving skills and apply Java   concepts to practical scenarios.

EDUCATION

computer science

Graduate from Modern Academy class of 2021 Computer Science Department. ▦ 10/2017 - 06/2021.

MILITARY STATUS

Complete the service Military