**OMAR MAHMOUD**

Phone: +201141965121

LinkedIn: <https://www.linkedin.com/in/omar1212/>

Email: [omaribnqenawy@gmail.com](mailto:omaribnqenawy@gmail.com)

GitHub: https://github.com/omar-mahmoud-java-developer

**Software Engineer**

**OBJECTIVE**

As a dedicated computer science graduate and skilled Java developer, I am passionate about leveraging my expertise to contribute to your organization. With a strong foundation in diverse programming languages, frameworks, and emerging cloud technologies, I aim to develop robust, scalable software solutions. Currently advancing my skills in AWS cloud services, I am focused on driving innovation and success within your team by integrating cloud-based solutions to enhance operational efficiency.

**EXPERIENCE**

**Software Engineer–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**

* Acquired a comprehensive understanding of the banking system, its products, and services.
* Developed proficiency in core banking principles.
* Gained insight into the role of technology in the banking sector.
* Achieved eligibility to work in banks and financial technology companies.

**Principles of Java and Spring Boot (EBI) Training January 2024 - February 2024**

* Mastered the foundational principles of Java programming.
* Gained expertise in using the Spring Boot framework to build modern web applications.
* Developed the ability to design and create scalable applications.
* Acquired hands-on experience through real-world software projects.

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

* Gained practical experience in providing helpdesk support and assisting users with technical issues.
* Ensured timely resolution of support tickets, enhancing user satisfaction.
* Developed strong problem-solving and communication skills in a technical support environment.

# SKILLS

# Java: Object-Oriented Programming (OOP), Streams, Threads, Collections, JPA, Web Servers, Hibernate, APIs, and JDBC.

# Spring Framework: Core, Data, MVC, Security Boot, Spring Web, Hibernate, and RESTful APIs.

# Front End: HTML5, CSS, Bootstrap.

# Cloud Computing (AWS): IAM (Identity and Access Management), S3 (Simple Storage Service), EC2 (Elastic Compute Cloud), CodeCommit, Basic Networking.

# Database: MySQL .

# Related: Postman, Maven, Testing, Git., Python, Javascript .

# PROJECT

**Legal System Web Application** [**GitHub**](https://github.com/omar-mahmoud-java-developer/legal_app-main)

* 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**](https://github.com/omar-mahmoud-java-developer/JDBC_project)

**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**](https://github.com/omar-mahmoud-java-developer/omar-mahmoud-java-developer-online-book-store-main)

**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

# Mastered efficient search algorithms, including linear and binary search, and sorting algorithms like bubble sort and merge sort.

# Refined skills in writing clean, readable, and efficient code, optimizing for both time and memory usage.

# Utilized programming languages such as Python, Java, and C++.

# Data Structures Decode (Cloud Camp Native) August 2023

# Learned various data structures including linked lists, arrays, stacks, and queues.

# Understood the functionality and efficient usage of each data structure.

# Applied knowledge using programming languages like Java and C++.

# ISTQB Foundation Level Complete Training (Nezam) March 2023

# Grasped core concepts of software testing and its role in the software development life cycle (SDLC).

# Gained comprehensive knowledge of testing techniques, including black-box and white-box testing, equivalence partitioning, and boundary value analysis.

# Java and Spring Boot (EBI) January 2024

# Mastered Java fundamentals, including core concepts like object-oriented programming, data structures, and algorithms.

# Built web applications efficiently using Spring Boot, streamlining development for full-stack applications.

# Explored modern web technologies, focusing on REST APIs and database integration.

# Core Java Programming (MaharaTech) April 2024

# Understood the fundamentals of Java programming language syntax and semantics.

# Gained hands-on experience in writing Java programs to solve problems, enhancing problem-solving skills through practical coding exercises.

**AWS Cloud Computing (Ongoing)**

* Gaining expertise in AWS cloud services with a focus on IAM, S3, EC2, CodeCommit, and basic networking principles.
* Integrating cloud-based solutions with software development to enhance scalability and efficiency.

**EDUCATION**

**Bachelor of Science in Computer Science**

Modern Academy, Computer Science Department

October 2017 - June 2021

Graduated with a Bachelor of Science degree in Computer Science, demonstrating a strong foundation in computer science principles and practices.

# MILITARY STATUS

# Completed mandatory military service.