

# OMAR MAHMOUD

## Java Software Engineer

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>

### Objective

As a recent computer science graduate, I am enthusiastic about expanding my expertise in Java and the Spring framework. With a solid foundation in computer science principles, I am eager to apply my knowledge to develop robust and scalable applications.

### EXPERIENCE

- 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)** 📅 **October**2024 -December2024
- 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.
  - Eligibility to work in large companies.
- 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, APIs, JDBC.

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

**Front End:** HTML5, CSS3, MVC.

**Familiar with:** Database, MySQL, 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.
- Employee Management System**
- 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)
- [GitHub link](#)

### 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.
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**EDUCATION**

**computer science**

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

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**MILITARY STATUS**

Complete the service Military