Amer Mohamed
Java Backend Developer

Cairo, Egypt

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Summary

Aspiring Java Backend Developer targeting Spring Boot microservices roles, backend architecture, and API integration. Experienced in clean coding, problem solving, and building scalable systems. Comfortable with agile environments, team collaboration, and technical mentoring. Actively looking for a full-time opportunity in a growth-focused and technically challenging environment.

Education

Al-Azhar University
Bachelor of Systems and Computers Engineering
Cairo, Nasr City   Oct 2020 – Jul 2025
Grade: Excellent with Honors

Projects

Fitness App (Graduation Project – Grade: A+)   github.com/amermuhamed/GraduationProject
Spring Boot, Spring Security, Flutter, Firebase, AI Integration

- Developed as a graduation project and awarded grade A+.

- Built a full stack mobile fitness app offering personalized workouts and meal plans using AI models.

- Integrated Firebase Authentication and Firestore for secure, scalable cloud-based data handling.

- Enabled real-time media uploads and activity tracking to support a complete fitness journey.

- Delivered dynamic user interfaces and logic using Flutter for seamless cross-platform experience.

Task Management System   `github.com/amerMuhamed/TaskManager`
Spring Boot, Thymeleaf, MySQL, AWS S3, Spring Security

- Developed a secure task management system using Spring Boot and Thymeleaf, offering full CRUD capabilities with server-side validation, user-friendly form handling, and one-to-one task-user relationships for precise accountability.
- Implemented robust authentication and role-based access control using Spring Security, ensuring that users only access their own data while providing admins with elevated privileges to manage the system.
- Integrated AWS S3 for scalable file storage, allowing users to upload and manage attachments for individual tasks, with metadata stored in MySQL using Spring Data JPA.

E-Commerce Platform (In Progress)   `github.com/amerMuhamed/Ecommerce-app`
Spring Boot, JWT, MySQL, Spring Security, REST API

- Developing a full-stack backend for an online shopping platform with secure JWT-based authentication and role-based access.
- Implemented RESTful APIs for managing products, users, orders, and carts with layered architecture.
- Designed database schema using MySQL and JPA, and applied Spring Security for endpoint protection.
- Supports admin dashboard, product image handling, and user registration/login with encrypted passwords.

CRUD Application
Spring Boot, Thymeleaf, Bootstrap

- Engineered a complete task tracking system using Spring Boot with Thymeleaf, applying MVC design principles and integrating full CRUD operations with feedback-driven form validation.
- Styled the application with Bootstrap to create a clean and responsive UI, ensuring usability on desktop and mobile screens with a consistent layout.
- Secured endpoints using Spring Security with session management and custom login handling, allowing role-based access and user-specific views.

Seira Shop
React, React Router, Formik, React Hook Form, Tailwind CSS, API Integration, JavaScript

- Designed and implemented a modern e-commerce frontend application using React and the Fake Store API, enabling dynamic product display, category filtering, and responsive routing with React Router DOM.
- Leveraged Tailwind CSS for elegant UI styling and integrated Formik and React Hook Form for optimized form management, simulating a smooth checkout experience with real-time validation.
- Enhanced user interaction with celebratory animations using Canvas-Confetti and ensured mobile responsiveness to deliver a seamless user experience across devices.

Experience

Java & Oracle Database Instructor Jul 2025 – Present
Role: Instructor (On-site, Giza)
- Delivering training sessions on Java SE and Oracle Database for engineering students.
- Covered JDBC, SQL queries, table relationships, normalization, and sequences.
- Provided real-time examples, lab exercises, and one-on-one student support.
- Helped students understand how to connect Java applications with Oracle using JDBC.

3C Coding School Jan 2025 – Present
Role: Coding Instructor (Remote)
- Teaching HTML, CSS, Python, Scratch, and App Inventor to young learners.
- Delivered interactive lessons and beginner-friendly projects.

Digital Egypt Pioneers Initiative (DEPI) Jun 2024 – Nov 2024
Role: React Web Developer Trainee (Remote)
- Hands-on training with React, Tailwind, JavaScript, and APIs.
- Developed responsive components and mini-projects.

Team AZ-SENCS Al-Azhar Oct 2022 – Apr 2023
Role: Java Instructor (On-site, Nasr City)
- Taught Java, OOP, and Data Structures to 50+ students in live interactive sessions.
- Delivered lectures, coding exercises, and supported students through practical labs.

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, SQL
Frameworks/Technologies: Spring Boot, Spring MVC, Spring Data, Hibernate, MySQL, React, Tailwind
Concepts: OOP, SOLID, Data Structures, Clean Code Principles
Tools: Git, GitHub, IntelliJ, VS Code, Postman, Agile
Others: JDBC,JSP, Servlets, TailwindCSS, Agile

Soft Skills

Excellent communication, Problem-solving, Team collaboration, Adaptability, Time management, Technical mentoring, Creativity, Positive attitude, Willingness to learn.