Moussa Matar

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Summary

Computer Science graduate specializing in **Java backend development**. Experienced in building **RESTful APIs, working with relational databases (PostgreSQL, H2), and containerized applications using Docker**. Developed **Spring Boot projects focusing on clean, scalable, and maintainable code**, and created **Bash scripts to automate manual workflows**, improving efficiency and data security while demonstrating **strong problem-solving skills**.

Technical Skills

- **Programming Languages: Java**, SQL, C, **Bash Scripting**, JavaScript
- **Frameworks & Tools: Spring Boot, JPA/Hibernate, Docker, Git,** IntelliJ IDEA, VSCode
- **Databases: PostgreSQL,** H2
- **Core Strengths: Object-Oriented Programming, Data Structures, Algorithm, REST API design**
- **Operating Systems:** Linux
- **Problem Solving: 150+** LeetCode challenges solved (leetcode.com/u/Moussa_M)

Projects

Mini E-commerce Application | React, Spring Boot, Java, H2, Tailwind, JWT
Repo: github.com/Xoraxis/mini-ecommerce

- Built a **full-stack e-commerce platform** with role-based access (Admin/User), featuring product management, shopping cart, and order processing.
- Developed a **Spring Boot backend** with RESTful APIs, JWT authentication, BCrypt password hashing, and H2 in-memory database.
- Created a **React + Vite** frontend, using AI-assisted Tailwind CSS for responsive styling and localStorage for cart persistence.
- Implemented **admin workflows** for product and order management, including low-stock monitoring to simulate real inventory systems.
- Applied layered architecture (Controller → Service → Repository) and clean code practices for scalability and maintainability.

Spring Boot REST API | Java, Spring Boot, H2, Docker
Repo: github.com/Xoraxis/springboot-rest-api

- Developed a **RESTful API** supporting CRUD operations for managing person records, with input validation, sorting, and exception handling.
- Integrated an **H2 in-memory database** for fast development and testing.
- Containerized the application with **Docker**, improving portability and deployment flexibility.
- Deployed the API using **fly.io**, demonstrating practical experience with cloud deployment and application availability.

Java CLI Car Booking System | Java, Maven, JUnit, Java Faker
Repo: github.com/Xoraxis/car-booking-system

- Developed a **Java-based CLI car booking system** with features for user management, car reservations, and real-time availability tracking.
- Implemented **DAO design pattern with multiple storage options** (CSV, in-memory, and Java Faker-generated data) to ensure flexible data handling and testing.
- Applied **manual dependency injection, Stream API, and SOLID principles** for clean, maintainable, and modular code.
- Wrote **28 unit tests using JUnit and Mockito** to ensure reliability and correctness of the system.

Encrypted Journaling Automation Script | Bash, GPG2, shunit2

Repo: github.com/Xoraxis/encrypted-journaling

- Developed a **Bash script to automate encryption and decryption** of journal files using GPG2, ensuring secure personal data management.
- Implemented **automatic backups and logging** to track all actions, improving reliability and troubleshooting.
- Added **unit testing with shunit2** to verify functionality, demonstrating scripting best practices and workflow robustness.

Etch-a-Sketch | JavaScript, DOM Manipulation
Repo: github.com/Xoraxis/Etch-a-Sketch

- Developed a **grid-based interactive drawing tool** using JavaScript, with features for drawing, erasing, and resetting the canvas.
- Utilized **DOM manipulation and event handling** to enable dynamic and responsive user interactions.

Education

B.Sc. Computer Science | Lebanese University | 2025

Languages

English (Professional Working Proficiency), **French** (Basic), **Arabic** (Native)