

MOUAD KIMDIL

Backend Java / Spring Boot Intern

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PROFESSIONAL SUMMARY

Software Engineering student at 1337 (42 Network) with a strong foundation in Java, Spring Framework, Spring Boot, Spring MVC, Spring Data JPA, Hibernate, and PostgreSQL. Interested in building reliable backend applications and understanding framework and database internals. Seeking a remote Backend Java Internship (PFE) where I can contribute while continuing to grow as a backend engineer.

TECHNICAL SKILLS

- **Languages:** Java 21, C, C++, SQL, JavaScript
- **Backend:** Spring Framework, Spring Boot, Spring MVC, Spring Data JPA, Hibernate, JPA, RESTful APIs, Bean Validation, Dependency Injection, Transaction Management, MVC Architecture
- **Testing:** JUnit 5, Mockito, MockMvc
- **Database:** PostgreSQL, SQL, Query Optimization, EXPLAIN ANALYZE, Indexing
- **Tools:** Git, GitHub, Maven, Docker (Basic), Linux, IntelliJ IDEA, VS Code

PROJECTS

Order Management API — Java 21, Spring Boot, Hibernate, PostgreSQL

- Built a RESTful backend with CRUD APIs, DTOs, Bean Validation, and global exception handling.
- Implemented pagination, DTO projection, and JPQL queries; resolved N+1 query problems using JOIN FETCH, EntityGraph, and batch fetching.
- Generated and queried over 100,000 realistic records; analyzed execution plans with EXPLAIN ANALYZE.
- Covered service and controller logic with unit and integration tests using JUnit 5, Mockito, and MockMvc.

Webserv — C++ | 1337 Coding School

- Built an HTTP/1.1 web server from scratch using raw sockets, epoll-based multiplexing, and CGI support, with custom request parsing and routing.

Minishell — C | 1337 Coding School

- Implemented a Unix shell handling command parsing, fork/execve execution, pipes, redirections, and signal handling.

EXPERIENCE

Freelance Web Developer

- Built websites for two local businesses (a laundry service and a retail bazaar in Marrakech) using Node.js and Express, sourced directly through GitHub and personal network.
- Managed the full project lifecycle directly with clients: requirements gathering, development, and delivery.

EDUCATION

- 1337 Coding School (42 Network), Morocco — Common Core Completed

LANGUAGES

- Arabic (Native) • English (Professional Working Proficiency) • French (Basic)