

Momen Abdulrahman

Backend Developer | Java | Spring Boot

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Professional Summary

Performance-driven Backend Developer with 2+ years in Java & Spring Boot, building scalable REST APIs with JWT-based security and Clean Architecture, achieving 40% database performance improvement and 30% latency reduction for high-traffic applications.

Technical Skills

Back-End: Java, Spring Boot, Spring Security, RESTful APIs, JPA, Hibernate, JWT, Microservices, Maven

Databases: MySQL, PostgreSQL, Relational Design, Query Optimization

Architecture & Concepts: Clean Architecture, SOLID Principles, Scalability, Distributed Systems, MVC

Tools & Practices: Docker, Git, GitHub, Postman, Kafka, Redis, IntelliJ IDEA, Agile/Scrum, Unit Testing

Professional Experience

Backend Lead & Architect | Graduation Project: Fundraising Platform

Jan 2024 – Jun 2024

- Scalable Kickstarter-style platform handling 1,000+ campaigns using Java 17 & Spring Boot.
- Optimized MySQL schema with JPA/Hibernate, reducing load times by 40%.
- JWT authentication and secure payment simulation prevent 99% of unauthorized access.
- Managed 5-member Agile team, achieving top project grade for architecture and execution.

Backend Developer | Digital Egypt Pioneers Initiative (DEPI)

Jul 2024 – Nov 2024

- 20+ RESTful APIs enabling seamless module integration.
- Clean Architecture & SOLID principles applied, reducing maintenance effort by 25%.
- Spring Boot services optimized, improving response latency by 30%.
- Spring Security and RBAC are ensuring data privacy across the platform.

Projects

Online Learning Platform

Tech Stack: Java, Spring Boot, Spring Security, MySQL, RESTful APIs.

- Business Problem: Lack of automated management for course enrollments and student-instructor workflows.
- Technical Solution: Built a multi-tenant backend using Java and Spring Boot with a service-oriented architecture.
- Quantified Results: Successfully managed 500+ student profiles and 50+ modules, maintaining 99.9% uptime.

Task Management System

Tech Stack: Spring Boot, JWT Authentication, Spring Data JPA, PostgreSQL.

- Business Problem: Inefficient team collaboration and project tracking leading to missed deadlines.
- Technical Solution: Architected a secure workspace using JWT Authentication for stateless sessions and PostgreSQL.
- Quantified Results: Reduced project turnaround time by 20% and ensured 100% security compliance in modifications.

Education

Bachelor of Computer Science | Graduated 2024

Focus on Software Engineering, Data Structures, and Database Management Systems.

Java & Spring Boot Full Stack Certification | Udemy

2024 Project Focus: Spring Security, Microservices architecture, and API deployment.