

ABANOUB WAGIM IBRAHIM

Java Backend Developer

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Summary

Backend Developer specialized in Spring Boot, with hands-on experience building RESTful APIs, implementing authentication and authorization, and designing relational databases. Experienced in applying clean, layered architecture and ORM concepts in production-oriented projects and real-world volunteer work. Familiar with frontend fundamentals (HTML, CSS, JavaScript) to collaborate effectively with UI layers.

Experience

Cairo International Book Fair | DSDC

Volunteer - Back-End Developer

Dec 2025 - present

- Designed and implemented RESTful APIs using TypeScript, focusing on clean separation between controllers, services, and data access layers.
- Modeled relational databases and managed schema evolution using Prisma ORM, including relationships, constraints, and migrations.
- Implemented authentication and authorization logic, handling roles, permissions, and protected endpoints.
- Applied backend best practices such as input validation, centralized error handling, and consistent API responses.
- Collaborated with cross-functional teams to translate business requirements into backend solutions.
- Worked with Git-based workflows to manage code changes and maintain project stability.

NTI

Intern - Front-End Developer

May 2025 – July 2025

- Built responsive web interfaces using HTML, CSS, and JavaScript.
- Implemented interactive UI behavior using events, basic animations, and DOM manipulation.
- Practiced version control by managing projects with Git and GitHub.

ITI

Intern - Java Developer

July 2024 – Aug 2024

- Developed Java applications applying OOP principles, interfaces, and exception handling.
- Designed small-scale Java components with encapsulation and reusable abstractions.

GDSC

Volunteer – Java Core Team Member Developer

Aug 2023 – Aug 2024

- Conducted Java workshops and mentored participants on core Java concepts and programming fundamentals.
- Guided learners through problem-solving exercises and coding challenges.
- Built projects and solved challenges using Java, Data Structures, and Algorithms.
- Collaborated with peers in coding sessions and workshops.

Education

Bachelor's in Business Information Systems

2022 - 2026

Higher Institute for Specific Studies

Giza, Egypt

Skills

- **Backend Core:** Java, OOP, Collections, Exception Handling, Spring Boot, Spring MVC, Spring Security, JPA / Hibernate, JDBC, Junit, Maven.
- **APIs & Architecture:** RESTful API Design, Layered Architecture, DTOs, Validation.
- **Databases:** MySQL, SQLite, PostgreSQL, Prisma.
- **Tools:** Git & GitHub, Docker, Postman.
- **Frontend:** HTML, CSS, JavaScript, Bootstrap, Angular.

Projects

Scout Management System

<https://github.com/abanoubwagim/scout-management-system>

Technologies: Java 17, Spring Boot 3.x, SQLite, Bootstrap 5, JavaScript, Selenium WebDriver (WhatsApp integration)

- Developed modules for member lifecycle (add/edit/delete, categorization by group), QR-based attendance with late-detection and filtering.
- Preparing to connect the system with a Spring Boot REST API for backend integration, Statistics will update dynamically from the backend.
- Designed backend-ready architecture with plans to expose core functionality through secured Spring Boot REST APIs.