

Ahmad Ismail Ali

Backend Software Engineer

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Education

B.Sc. in Information Systems, Faculty of Computer Science, Cairo University *May 2026*

Relevant Courses: Data Structures, OOP, Algorithms, DBMS, Networks

Experience

English Instructor, Berlitz Egypt – DEPI Program *Jul 2024 – Apr 2025*

- Delivered English instruction to CS/IT students with a focus on technical terminology and communication.
- Adapted lessons for real-world tech scenarios, improving students' confidence in international work environments.

Projects

Learning Management System — Java, Spring Boot

Backend for multi-role course platform with RESTful APIs.

- Designed and implemented robust authentication and authorization system using Spring Security with JWT.
- Created modular REST APIs for courses, enrollments, progress tracking, and assignments.
- Integrated MySQL for data persistence and used JPA for ORM.
- Applied RBAC to enforce fine-grained access control across students, instructors, and admins.

Job Quest — Python, Django

Web application for job seekers and employers with admin controls.

- Built user registration and login with RBAC (job seekers, employers, admin).
- Developed search filters for job listings.
- Implemented employer dashboards for posting and managing job vacancies.
- Designed relational database schema with SQLite and Django ORM.

Process Scheduling Simulator — Java

Command-line simulator for visualizing CPU scheduling algorithms.

- Developed simulation logic for FCFS, SJF, and Round Robin scheduling.
- Built CLI timeline view with real-time visual output.
- Wrote modular, testable code with clear separation of algorithm components.

Technical Skills

Languages: Java, Python, C++, Go, SQL, JavaScript

Frameworks & Libraries: Spring Boot, Django

Databases: PostgreSQL, MySQL, SQL Server

DevTools & Platforms: Git, GitHub, Maven, VS Code

Practices & Methodologies: RESTful APIs, Agile Development

Typing Speed: 90 Words Per Minute (WPM)

Certifications

- [Database Fundamentals](#) — ITI MaharaTech, Apr 2025
- [Web Development with PHP & MySQL](#) — ITI MaharaTech, Apr 2025
- [Scientific Computing with Python](#) — freeCodeCamp, Feb 2024
- [Git & GitHub Fundamentals](#) — Coursera/Google, Feb 2024