

Ayman Ibrahim Seddik

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Summary

Backend Developer skilled in Java, Spring Boot, and MySQL, with hands-on experience building secure and scalable REST APIs. Strong understanding of object-oriented programming, clean architecture, and backend development best practices. Ranked 1st in the Computer Science and Physics department at Zagazig University. Passionate about building real-world backend systems.

Skills

- Backend: Java, Spring Boot, REST APIs, Spring Security, Hibernate/JPA, Node.js (Express.js)
- Databases: MySQL, SQL (Normalization, Relationships), MongoDB
- Tools & Platforms: Git/GitHub, Postman, Swagger, Docker, Maven/Gradle, CI/CD, JUnit, Mockito, Redis
- Frontend: HTML, CSS, JavaScript, Bootstrap, TypeScript, Angular
- Other Languages & Frameworks: PHP (Laravel), Python, C++, C

Projects

Hospital Management System – Java + Spring Boot + MySQL ↗

- Built secure REST APIs with JWT authentication and role-based access control (Admin, Doctor, Patient).
- Designed and implemented database entities for Patients, Doctors, Prescriptions, and Medical Records.
- Designed REST endpoints and performed integration testing using Postman to ensure API reliability.

Mini Banking System – Java + Spring Boot + MySQL ↗

- Developed RESTful APIs for user registration, deposits, withdrawals, and secure transfers.
- Implemented stateless authentication and secure role-based authorization using Spring Security and JWT.
- Designed relational database schema and optimized data access layers using JPA/Hibernate.

E-Commerce System – Java + Spring Boot + MySQL ↗

- Implemented product management, shopping cart, and order processing modules to streamline user experience.
- Designed and normalized relational database with multiple relationships for scalability and efficiency.
- Leveraged Spring Data JPA for query optimization, improving data retrieval performance and maintainability.
- Secured endpoints using Spring Security and JWT authentication to protect customer and admin operations.

Education

Bachelor of Science in Computer Science and Physics – Zagazig University 2025
Ranked 1st in Department

Certifications

- MEAN Stack Training — National Telecommunication Institute (NTI) 2026
- Java Development SE — Mahara Tech (MCIT, Egypt) 2025
- Java Database Connectivity (JDBC) — Mahara Tech (MCIT, Egypt) 2025
- Database Fundamentals — Mahara Tech (MCIT, Egypt) 2025
- Full Stack PHP Laravel Course & Training (7 Months) — Bravo 2023

Languages

- Arabic (Native)
- English (Professional Working Proficiency)