AHMED HOSSAM

SOFTWARE ENGINEER | BACKEND DEVELOPER

Cairo,Egypt |ahmedhemly2020@yahoo.com | **LinkedIn** |**GitHub** |**Portfolio**

SUMMARY

Senior Computer Science student specializing in Backend Development, with strong experience in Java, Spring Boot, and RESTful API design. Skilled in building secure, scalable systems using OOP, SOLID principles, and design patterns, with hands-on experience delivering full-stack applications.

PROJECTS

Full-Stack Course Platform (Mobile App) — Spring Boot,Flutter   **GitHub** | **Demo**   DEC 2025
Built a mobile learning platform with secure access control and progress tracking.
- Built the mobile application using Flutter (MVVM architecture)
- Implemented JWT authentication and role-based authorization
- Designed lesson progression with locked/unlocked content and progress tracking
- Developed RESTful APIs using Hibernate (JPA) with PostgreSQL

Full-Stack Job Portal (Web App) — Spring Boot, React   **GitHub** | **Demo**   Aug 2025
Developed a job management platform enabling employers and applicants to interact securely.
- Developed REST APIs with JWT authentication and role-based access control
- Implemented job posting, searching, applying, and application management workflows
- Applied DTO-based architecture and design patterns for scalable backend design
- Integrated file uploads and real-time application status notifications

Full-Stack Blog Platform (Web App) — Spring Boot, React   **GitHub** | **Demo**   July 2025
Designed a scalable blogging system with secure content management and user interactions.
- Built secure REST APIs for authentication, posts, comments, likes, and notifications
- Implemented role-based access control using Spring Security (ROLE_USER / ROLE_ADMIN)
- Added real-time notifications using the Observer design pattern
- Ensured data consistency using database migrations

SKILLS

- Backend: Java, Spring Boot, Spring Security, Hibernate (JPA), JWT, OAuth2
- Databases: PostgreSQL, MySQL, MongoDB
- Frontend: React.js, HTML, CSS, Tailwind CSS
- Mobile: Flutter (Dart)
- Tools: Git, GitHub, Maven, Docker, Postman, Swagger, GitHub Actions
- Core Concepts: OOP, SOLID Principles, Design Patterns, Clean Architecture, Data Structures & Algorithms

EDUCATION

Bachelor of Science in Computer Science – Software Engineering Major   Sep 2022 - Sep 2026
The British University in Egypt (BUE), Cairo

CERTIFICATIONS & TRAINING

- Spring Boot REST APIs & Hibernate
- Spring Security 6 with JWT/OAuth2
- Java Design Patterns & SOLID Principles
- Mastering Data Structures & Algorithms
- Git & GitHub Bootcamp