Youssef Sherif

Software Engineer / Java Backend Developer

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PROFESSIONAL SUMMARY

Backend Developer with strong expertise in **.NET Core** and growing proficiency in **Java Spring Boot**. Experienced in designing and implementing **RESTful APIs, authentication, validation, and database-driven applications**. Proven problem solver with competitive programming background and mentoring experience, currently building scalable Java backend systems while leveraging solid OOP and software engineering principles.

EDUCATION

Modern Academy, Maadi   Cairo, Egypt
Bachelor of Science in Computer Science (GPA: 3.5 / 4.0)   *Sep. 2021 – Jul. 2025*

EXPERIENCE

Full Stack Intern   Jul. 2025 – Oct. 2025
Fixed Solutions (Fixed Global)   *Nasr City, Egypt*
- Developed and tested **CRUD APIs** using **Django REST Framework**, implementing models, views, and serializers with input validation and authentication.
- Built CLI tools using **Node.js (Commander.js)** to automate development tasks and internal workflows.

Programming Instructor   Dec. 2024 – Jul. 2025
Digital Egypt Cubs Initiative (DECI)   *Maadi, Egypt*
- Mentored 150+ students in programming fundamentals, algorithms, and software engineering concepts.
- Designed structured learning materials and guided students in building small applications.

PROJECTS

Employee Management System | *Java, Spring Boot, MySQL* [GitHub](https://github.com)   Sep. 2025 – Present
- Designing a backend system for managing employees and departments using **RESTful APIs**, validation, and error handling.
- Developing modular and maintainable code with Spring Boot, following OOP principles and best practices.

BoneX (Graduation Project) | *ASP.NET Core 8.0, EF Core, SQL Server, JWT* [GitHub](https://github.com)   Sep. 2024 – Jul. 2025
- Lead backend developer for an AI-assisted X-ray analysis platform, implementing **authentication, profile management, and appointment booking APIs**.
- Integrated AI analysis with reporting APIs for doctors and patients, ensuring accurate and secure data handling.
- Applied clean architecture and OOP principles to create scalable, maintainable, and testable backend services.

Ne3ma (Freelance Project) | *ASP.NET Core, EF Core, SQL Server* [GitHub](https://github.com)   Mar. 2024 – Jun. 2024
- Developed backend logic for a food waste reduction platform, implementing **role-based API access** and food item management.
- Collaborated with mobile team to ensure smooth API integration and feature delivery.

Survey Basket (Personal Project) | *ASP.NET MVC, EF Core, SQL Server* [GitHub](https://github.com)   Jan. 2024 – Mar. 2024
- Built a survey and voting platform following the MVC pattern, with secure input validation via **FluentValidation**.
- Implemented survey creation, voting, and results visualization for multiple users.

LibraCore (Training Project, DEPI) | *ASP.NET Core, EF Core, SQL Server* [GitHub](https://github.com)   Aug. 2024 – Sep. 2024
- Developed a library management system with CRUD operations, MVC architecture, database modeling, and input validation.

Technical Skills

Languages: C#, Java, Python, C++, SQL, HTML, CSS, basics of JavaScript
Frameworks: ASP.NET Core, Spring Boot, Django REST Framework, ASP.NET MVC, Angular
Databases: SQL Server (MSSQL), MySQL
Developer Tools: Git, GitHub, Postman, Visual Studio, VS Code, IntelliJ, PyCharm
Core Competencies: RESTful API Development, Authentication & Authorization (JWT, role-based), Validation & Error Handling, Database Modeling, OOP, Data Structures & Algorithms, Logging, Caching

Training

.NET Web Developer / Full Stack Trainee   Jun. 2024 – Dec. 2024
Digital Egypt Pioneers Initiative (DEPI) / Information Technology Institute (ITI)   *Cairo, Egypt*

- Built and tested **RESTful APIs** using C#, ASP.NET Core, EF Core, and SQL Server with authentication, validation, and error handling.
- Developed a training project (Library Management System) implementing CRUD operations, MVC patterns, and optimized database queries.
- Collaborated in a team environment following Agile practices and gained hands-on experience in backend development.

Achievements & Leadership

- **Lead Organizer – Graduation Ceremony, Modern Academy (Mar 2025 – Jul 2025)**: Managed logistics for 1,000+ attendees with a budget of EGP 300,000, coordinated vendors, and supervised event execution.

- **ICPC ECPC Contestant** – 2024 (Rank 61, Team Black Horse), 2023 (Rank 117, Team Mast Overflow).

- **1st Place** – MEC Academy Problem Solving Competition.

- **16th Place** – Semicolon Shows (IEEE Al-Azhar University).

- **Community Contributor** – Mentored and supported ICPC programming community through problem-solving and guidance.