

YOUSSEF HOSSAM

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OBJECTIVE

Entry-level backend developer with strong skills in Node.js, .NET API Core, and web security. Proven ability to design scalable APIs, implement secure authentication systems (JWT, OAuth2), and follow modern software engineering practices. Passionate about clean code and building impactful backend solutions. Currently seeking backend internship or junior developer role.

EDUCATION

Bachelor of Computer Science

Oct 2023 - July 2027

Faculty of Computers and Artificial Intelligence, Cairo university

- Relevant Coursework: Data Structures, Software Engineering, Database Systems, OOP, Computer Networks, Web Development, Math-3,
 - Academic Standing: Third-year student
 - Academic Interests: Software Development, Network Security, Penetration Testing
 - Currently GPA: 3.58 / 4.0
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EXPERIENCE

Full-Stack .NET Developer Trainee

June 2025 – Dec 2025

DEPI – Digital Egyptian Pioneers Initiative

(Expected)

- Enrolled in an intensive government-backed training program focused on building secure full-stack applications using ASP.NET Core and C#
 - Gained hands-on experience in developing RESTful APIs, working with Entity Framework, and integrating frontend with backend logic
 - Practiced professional software development workflows including Git, Agile methodology, and unit testing
 - Projects include user authentication systems, role-based APIs, and database-driven services with SQL Server
 - Tools & Technologies: ASP.NET Core, C#, SQL Server, Git, Entity Framework, Postman
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PROJECTS

BORRI - Online BookStore Web App

Django, Python, HTML, CSS, SQLite, APIs

Built a full-stack web application for managing and borrowing books as part of a college project.

- Implemented OTP-based phone number verification and email-based password reset
- Developed user authentication, book borrowing/return system, and role-based admin dashboard
- Integrated third-party APIs and handled secure user management using Django's built-in tools

SkillZone – Course Center Marketplace Backend

Node.js, Express.js, MongoDB, JWT, OAuth2, REST APIs

Built a full-featured backend system for a course center marketplace as a solo project to practice real-world backend development using the Node.js ecosystem.

- Designed and implemented a RESTful API with user roles (admin, instructor, student) and token-based authentication using JWT
 - Integrated Google OAuth2 for third-party login support
 - Developed secure student profile management, course CRUD operations, instructor dashboards, and notification system
 - Applied schema validation, error handling, and data relationships with Mongoose ODM
 - Practiced modular architecture, controller-service design, and scalable routing
 - Built entirely locally with Postman testing and API documentation (Detailed documentation available in GitHub repository)
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SKILLS

- **Programming Languages:** C++, JavaScript, Java, Dart, Python, C#
 - **Penetration Testing & Cybersecurity:** OWASP Top 10, Burp Suite, Wireshark, Metasploit, Nmap, SQL Injection, XSS, CSRF, Reverse Shells, Linux Privilege Escalation, Web Application Security Testing
 - **Web Development:** Django, REST APIs, AJAX, JSON, JWT Auth, OAuth2.0, Node.js, Express.js, ASP.NET Core, MongoDB, Authentication & Authorization
 - **Tools & Technologies:** Git & GitHub, VS Code, MySQL, SQL Server
 - **Computer Science Fundamentals:** OOP, Software Engineering, Design Patterns, Data Structures
 - **Soft Skills:** Team Leadership, Fast Learner, Problem-Solving, Communication, Adaptability, Self-Motivation
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LANGUAGES

- Languages: Arabic, English