Mostafa Mohamed Ahmed

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Summary

Backend developer, building software since 2023. Builds RESTful APIs with Django REST Framework for the Aleem Educational Platform at IBAL Company, and with Django and FastAPI for freelance projects, covering database models, authentication, role-based access control, and payment and third-party integrations, with Clean Architecture and SOLID principles. Familiar with LLM integration, RAG, prompt engineering and AI agent workflows.

Experience

Backend Developer – IBAL Company 2026 – Present
Aleem Educational Platform (aleemgames.com)

- Develop Django REST Framework APIs for authentication, user management, subscriptions and game progress tracking.
- Implement subscription workflows and integrate payment gateways and third-party services.
- Design database models and relationships, and work with frontend developers and stakeholders to deliver and maintain platform features.

Freelance Backend Developer 2023 – Present

- **MostasharQari** (mostasharaqari.com): develop the Django backend, workflows and RESTful APIs for frontend integration.
- **Car Management Service Platform**: built the FastAPI backend and RESTful APIs for service booking, vehicle management, maintenance records and appointments, with PostgreSQL schemas, JWT and role-based authorization per user type, third-party notification services, and Clean Architecture and SOLID principles.
- **Coffee Shop Management System**: built the Django backend and RESTful APIs on PostgreSQL, with role-based access control and third-party service integrations.

Programming Instructor – eYouth 2026 – Present
Digital Egypt Cubs Initiative (DECI)

- Teach Python, AI and mobile app development through project-based exercises that build students' problem-solving skills.

Programming Instructor – iSchool 2026 – Present
Digital Egypt Cubs Initiative (DECI)

- Train students in programming fundamentals, OOP and problem-solving, and introduce them to AI and Machine Learning.

Software Developer Intern – OGTech for ID Systems & IT Aug 2026 – Oct 2026

- Implemented functionality based on project requirements, debugged assigned tasks and collaborated with team members throughout development.

Projects

LaqithaGP – Digital Copyright Protection Platform
Django, Django REST Framework, PostgreSQL, Django Channels

- Designed the backend, PostgreSQL models and RESTful APIs for content ownership, copyright reports and moderation.
- Implemented real-time communication with Django Channels and WebSockets, and Django Signals that trigger notifications on content upload.

Skills

Languages & Frameworks: Python, C#, Django, Django REST Framework, FastAPI, ASP.NET Core
APIs: RESTful APIs, HTTP, JSON, Swagger, WebSockets, Third-Party API Integrations
AI: LLM Integration, Retrieval-Augmented Generation (RAG), AI Agents, Prompt Engineering, Vector Databases (Basic)
Databases & Architecture: PostgreSQL, SQL Server, MySQL; Clean Architecture, Layered Architecture, Dependency Injection
Concepts: OOP, SOLID Principles, Design Patterns, Authentication & Authorization (JWT, RBAC)
Tools & Methods: Git, GitHub, Postman, Docker, Jenkins; Agile, Scrum, SDLC

Education

Bachelor of Computer Science – Assiut University 2020 – 2024
Faculty of Computers and Information Technology, GPA 3.15 / 4.0 (Very Good)

Full Stack Web Development Using Python – Information Technology Institute (ITI) Jul 2025 – Nov 2025

- Built full-stack applications in team projects with Django, React and RESTful APIs; gained practical experience with Git, Docker, Jenkins and CI/CD.