

Ahmed Abdulrahman Mohamed Amin

Backend Developer | Django Specialist

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Cairo, Egypt

Professional Summary

Backend Developer specializing in **Django** and **Django REST Framework**, with hands-on experience **building scalable APIs** and **real-world systems**, including **search engines**, **e-commerce platforms**, and **CRM applications**. Strong foundation in **authentication**, **API design**, and **database management**, with practical experience using **Docker** and **CI/CD workflows**. Passionate about **building production-ready backend systems** and continuously improving **performance** and **scalability**.

Technical Skills

- **Languages:** Python, SQL
 - **Backend:** Django, Django REST Framework, REST APIs
 - **Databases:** MySQL, SQL Server, Oracle
 - **DevOps & Tools:** Docker, Git, GitHub Actions (CI/CD Basics), Postman, Linux (Ubuntu), VS Code
 - **Concepts:** Authentication (JWT, Sessions), API Design, Database Design, Scalability Basics
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Notable Projects

1. [EstodaSearch Engine](#) (Django, MySQL, Docker, JWT Authentication) [May 2025]
 - Developed a **web-based search engine** with **async crawler**, **indexing**, and **PageRank ranking**. – Implemented **JWT authentication**, **documented APIs (Swagger/ReDoc)**, and **deployed using Docker Compose**.
2. [Shopping Website](#) (Django, MySQL, JWT & Cookies Authentication) [Dec 2024]
 - Developed a **full-stack e-commerce platform** with **secure authentication**, **product management**, **search functionality**, **shopping cart**, and **checkout system**.
3. [Social Media Website](#) (Django, MySQL, Session-Based Authentication) [Jan 2024]
 - Built a **social networking site** supporting **user profiles**, **post creation**, **comments**, **likes/dislikes**, and **real-time chat**.
 - Implemented **user and post search** for enhanced discoverability.

4. [Recipe Management API](#) (Django REST Framework, MySQL, JWT & Cookies Authentication) [Oct 2024]
 - Designed a **RESTful API** for **managing and searching recipes**.
 - Supported **CRUD operations** and **advanced search** by **title, category, ingredients, cooking time, serving time, and preparation time**.
 5. [Chatbot API](#) (Django REST Framework, MySQL, JWT & Cookies Authentication) [Nov 2024]
 - Developed a **token-based chatbot API**, where users **start with 4000 tokens**, and each message costs **100 tokens**.
 - Integrated a **purchase system** for users to buy additional tokens.
 - The chatbot **provides predefined responses** ("This is a dummy AI response.").
 6. [CRM Web Application](#) (Django, MySQL, Session-Based Authentication) [Jan 2025]
 - Created a **CRM tool** for small businesses, enabling **client database management, task assignments, and role-based access control**.
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Education

Faculty of Computers and AI, Fayoum University

Bachelor of Computer Science and AI | Expected Graduation: 2026

- **Relevant Coursework:** Python, C++, Java, Data Structures, Algorithms, AI, OS, Software Engineering.

New Fayoum Secondary School

General Egyptian Certificate of Secondary Education | 2022

Certifications

- [ALX Software Engineering Program](#) | Backend Web Development | 2024
 - [ALX Professional Development Skills](#) | Leadership, Critical Thinking, Communication | 2024
 - [C Programming](#) | Mahara-Tech | 2024
 - [Java Programming](#) | Mahara-Tech | 2024
 - [OOP with C++](#) | Mahara-Tech | 2024
 - [Java \(Basics\)](#) | HackerRank | 2025
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Languages

- **Arabic:** Native
 - **English:** Professional Working Proficiency
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Interests

- **WebDevelopment & Backend:** Exploring new frameworks and optimizing APIs.
- **Cybersecurity & Ethical Hacking:** Understanding security vulnerabilities and penetration testing.
- **Cloud Computing & DevOps:** Learning about AWS, Docker, and CI/CD pipelines.
- **AI & Machine Learning:** Interested in AI-driven applications and automation.