

# Abdulrahman Eldeeb

Backend Developer (Django)

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## Summary

Computer Science senior and Codeforces Expert focused on backend development with Django and Django REST Framework. Experienced in building production-ready RESTful APIs using Dockerized workflows, token/JWT authentication, automated testing, and OpenAPI documentation. Strong foundation in algorithms and competitive programming.

## Education

### Fayoum University

Fayoum, Egypt

*Bachelor of Computer Science and Artificial Intelligence*

*Oct 2022 – Jul 2026*

- Relevant Coursework: Object-Oriented Programming, Data Structures, Algorithms Design & Analysis, Operating Systems, Database Management Systems, Computer Architecture

## Professional Experience

### Instructor

Sep 2024 – Present

*Recode Academy*

*Fayoum, Egypt*

- Teach multiple courses including CS50, C++ programming, algorithms and data structures, and Object-Oriented Programming (OOP) core concepts.
- Deliver structured curriculum covering problem-solving fundamentals, computational thinking, and advanced programming paradigms to diverse student cohorts.

### Mentor & Coach

April 2023 – Mar 2025

*Fayoum ICPC Community*

*Fayoum, Egypt*

- Mentored 15–20 students in programming fundamentals, data structures, and algorithm techniques to prepare for the Egyptian Collegiate Programming Contest (ECPC).
- Organized programming workshops, training sessions, and coding competitions to enhance programming abilities of community members.

## Projects

**Recipe API** | Django REST Framework, PostgreSQL, Docker, OpenAPI, TDD

Mar 2026 – Apr 2026

- Built a production-style Recipe Management API with user registration, token authentication, profile endpoints, and strict ownership isolation for user data.
- Implemented full CRUD for recipes, tags, and ingredients with advanced filtering (by tags/ingredients), assigned-only queries, and multipart image upload endpoints.
- Applied test-driven development with comprehensive unit tests, health checks, DB readiness workflow, and Docker Compose setup for consistent local and deployment environments.

**E-Commerce REST API** | Django REST Framework, PostgreSQL, Stripe, JWT

Feb 2026 – Mar 2026

- Built a production-ready e-commerce API covering user auth, products, cart, orders, and **Stripe** payment processing with webhook-driven status updates.
- Applied **Service Layer** & **Selector Layer** patterns separating business logic from views and data access across 5 modular Django apps.
- Implemented **JWT auth** with token rotation, blacklisting, HTTP-only cookies, and split settings (base/dev/prod) with auto-generated Swagger docs.

**Postify – Modern Blogging Platform** | Django MVT, SQLite, Chart.js

Dec 2025

- Developed a full-stack blogging platform with Django MVT, featuring markdown editor, hierarchical comments, and **Google OAuth** via Django Allauth.
- Built a creator dashboard with post analytics, view tracking, Chart.js trend visualization, and a CMS with categories, tags, and auto-generated slugs.
- Organized into 5 Django apps (**core**, **accounts**, **blog**, **comments**, **dashboard**) with custom error pages and search/filter functionality.

## Technical Skills

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<b>Languages</b>	Python, C++, SQL, HTML/CSS, JavaScript
<b>Backend</b>	Django, Django REST Framework, Django ORM, Django Allauth, Class-Based Views, ViewSets, Routers
<b>Databases</b>	PostgreSQL, SQLite, MySQL
<b>APIs &amp; Auth</b>	RESTful APIs, Token Authentication, JWT (SimpleJWT), Permissions, Throttling, Stripe Integration, Webhooks, Swagger/OpenAPI
<b>Architecture</b>	MVT, Service Layer, Selector Layer, Modular App Design, Clean Architecture, Test-Driven Development (TDD)
<b>Tools</b>	Git, GitHub, GitHub Actions (CI/CD), Docker, Docker Compose, Flake8, Postman, pip, virtualenv, django-filter
<b>Data &amp; ML</b>	PyTorch, TensorFlow/Keras, OpenCV, Scikit-Learn, Pandas, NumPy, Power BI
<b>AI-Assisted Dev</b>	Coding agents (opencode, Claude Code), Model Context Protocol (MCP), multi-agent systems, agent orchestration, skill/tool development for AI workflows
<b>Other</b>	Web Scraping (Beautiful Soup, Selenium), Jupyter Notebooks, Google Colab

## Competitive Programming

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**Codeforces Expert** – Demonstrated strong algorithmic problem-solving skills

**Ranked 17th Place** in 2023 ECPC Qualifications (out of 280 teams)

**Ranked 90th Place** in the 2023 ECPC Final (out of 280 teams)

## Certifications

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- **Build REST APIs with Django REST Framework and Python** – Shubham Sarda (Udemy), 13 hours. Focus: serializers, APIViews/Generic Views, ViewSets & Routers, permissions, auth (Basic/Token/JWT), throttling, filtering, pagination, and API testing with Postman.
- **Python Django - The Practical Guide** – Maximilian Schwarzmuller (Academind/Udemy), 23 hours. Focus: Django fundamentals, templates/static files, ORM relationships, forms, sessions, class-based views, file uploads, and deployment workflow.
- **Build a Backend REST API with Python & Django - Advanced** – Mark Winterbottom & Brooke Rutherford (Udemy), 15 hours. Focus: Docker, TDD, GitHub Actions CI/CD, Flake8 linting, custom user auth, image upload APIs, filtering/search, and production-oriented project structure.

## Soft Skills

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- Technical Training
- Team Leadership
- Coaching & Feedback
- Curriculum Development
- Problem-Solving
- Communication