

**Yahya Ahmed**

**Backend Engineer | Django • FastAPI • Scalable Backend Systems**

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 [Portfolio](#) |  [GitHub](#) |  [LinkedIn](#)

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## PROFESSIONAL SUMMARY

Backend Engineer with 2+ years of experience designing and developing scalable backend applications using Django, Django REST Framework, and FastAPI. Experienced in building production-ready REST APIs, payment integrations, asynchronous processing, database optimization, and multilingual applications. Collaborate directly with founders and business stakeholders throughout the software development lifecycle, including requirements gathering, architecture discussions, feature planning, and production deployment. Passionate about clean architecture, backend performance, maintainable code, and solving complex business problems through reliable software.

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## TECHNICAL SKILLS

Languages: Python • SQL • JavaScript

Backend: Django • Django REST Framework • FastAPI

Databases: PostgreSQL • MySQL • Redis

API Development: REST APIs • JWT Authentication • OAuth2 • Google OAuth • Webhooks • Swagger/OpenAPI

Background Processing: Celery • RabbitMQ

DevOps & Cloud: Docker • Linux • Git • GitHub • Nginx • Gunicorn • AWS (EC2, RDS, S3) • CI/CD

Performance: Redis Caching • Django ORM Optimization • Database Query Optimization

Integrations: Stripe • Cloudinary • Internationalization (i18n) • Postman

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## PROFESSIONAL EXPERIENCE

**Freelance Backend Engineer (Remote) | Jan 2024 – Present**

Collaborate directly with founders and business stakeholders to transform business requirements into scalable backend systems. Participate in architecture discussions, project

planning, feature estimation, backend implementation, deployment, and long-term maintenance.

Natour Clinic – Cosmetic Services Platform | <https://cosmetics-production.up.railway.app/>

- Designed and developed production backend services using Django REST Framework.
  - Built multilingual support (Arabic, English, Hebrew).
  - Integrated Stripe Connect with secure webhook processing.
  - Implemented asynchronous background processing using Celery and Redis.
  - Improved system responsiveness by moving long-running operations to background workers.
  - Collaborated directly with business stakeholders during planning and implementation.
- Tech Stack:* Django • DRF • PostgreSQL • Redis • Celery • Stripe • Docker

Rovana Trade – Industrial Trading Platform | <https://www.rovanatrade.com>

- Developed a real-time pricing and quotation engine.
  - Built backend modules supporting product calculations and quotations.
  - Implemented automated validation to reduce manual processing.
  - Added multilingual support and SEO improvements.
  - Worked directly with company management during project planning and feature discussions.
- Tech Stack:* Django • PostgreSQL • AJAX • Bootstrap • JavaScript

GreenZag – Industrial Pipes Platform | <https://greenzag.com/>

- Designed scalable REST APIs for industrial product management.
  - Developed backend modules for catalog management.
  - Optimized database access using Redis caching.
  - Improved Django ORM queries to reduce unnecessary database operations.
- Tech Stack:* Django REST Framework • PostgreSQL • Redis

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## SELECTED PROJECTS

**MIH Automated Pricing System** – Enterprise pricing management platform used to manage pricing requests, contracts, discounts, package catalogs, offers, and Excel-based import workflows.

- Led backend architecture and implementation.
- Designed reusable Service Layer Architecture.
- Developed Excel import pipelines using Pandas.
- Built scalable import services and management commands.
- Optimized PostgreSQL data processing.

*Technologies:* Django • PostgreSQL • Pandas • Bootstrap • Python

**School Game Platform** – Gamified educational platform featuring quizzes, authentication, XP system, achievements, and leaderboards.

*Technologies:* Django • DRF • PostgreSQL

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## GITHUB PORTFOLIO

GitHub repositories demonstrating experience with Django REST APIs, FastAPI, Docker, PostgreSQL, Redis, Celery, Authentication Systems, Payment Integration, and Clean Architecture.

[GitHub: https://github.com/YahyaAhmed20](https://github.com/YahyaAhmed20)

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## EDUCATION

**Bachelor of Science in Computer Science – Arab Open University (2025)**

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## LANGUAGES

**Arabic – Native | English – Professional Working Proficiency (B2)**