

# Eslam Kamel

Senior Backend Engineer (Django & FastAPI, Laravel)

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## PROFESSIONAL SUMMARY

Senior Backend Engineer with 10+ years of backend development experience, including the last 2 years focused on building scalable Python systems using Django and FastAPI. Strong background in Laravel-based production systems with a deliberate transition toward modern Python backend architectures.

Experienced in designing RESTful APIs, real-time systems, authentication flows (JWT, OAuth2), background job processing, distributed messaging, and database integrity strategies.

Passionate about clean architecture, domain separation, performance optimization, and building reliable backend systems that scale under concurrency.

## CORE TECHNICAL SKILLS

### **Backend:**

Python, Django, FastAPI, Django REST Framework, SQLAlchemy, Laravel, PHP

### **Architecture & Systems:**

REST APIs, WebSockets, ASGI, Distributed Systems Fundamentals, Clean Architecture, Domain-Driven Design, Layered Architecture, RBAC, Idempotency, Transactional Integrity, Concurrency Control, Async I/O

### **Databases:**

PostgreSQL, SQLite, MySQL, MongoDB

### **Caching & Messaging:**

Redis, Celery, Pub/Sub, Background Jobs, Queues

### **Authentication & Security:**

JWT, OAuth2, SimpleJWT, Laravel Sanctum, Role-Based Access Control, Secure Password Hashing (bcrypt, Argon2)

### **Testing & Tooling:**

Pytest, PHPUnit, Alembic, Git, GitHub Actions, Docker, CI/CD

**Frontend & Mobile (Complementary Skills):**  
Vue.js, Nuxt.js, TypeScript, Tailwind CSS, Livewire, Flutter

## PROFESSIONAL EXPERIENCE

**Senior Backend Engineer**  
**Gaztec – Dubai, UAE (Remote)**  
**February 2024 – Present**

- Designed and implemented high-performance backend systems with clear domain separation and modular architecture.
- Built scalable REST APIs and real-time communication layers using WebSocket-based solutions.
- Developed backend services supporting cross-platform mobile applications with structured authentication and secure token management.
- Implemented caching strategies and Redis-backed services for performance optimization.
- Contributed to architectural decisions focusing on scalability, maintainability, and clean service boundaries.

**Tech Stack:** Django, FastAPI, Laravel, Redis, PostgreSQL, Docker, AWS

**Backend Engineer**  
**CodeCraft Solutions – Cairo, Egypt**  
**November 2022 – February 2024**

- Designed API-driven backend systems supporting SPA frontends with structured routing and middleware layers.
- Integrated secure payment gateways with robust error handling and transactional safeguards.
- Implemented background processing patterns and asynchronous workflows to handle delayed operations safely.
- Improved database query performance and optimized relational modeling for multi-user systems.

**Tech Stack:** Laravel, REST APIs, PostgreSQL, MySQL, Docker

**Backend Engineer**  
**TechNova – Cairo, Egypt**  
**October 2020 – November 2022**

- Developed multi-tenant backend systems with role-based access control and permission isolation.
- Designed data models with relational integrity and optimized queries to prevent N+1 issues.
- Built backend APIs consumed by mobile and web clients with structured validation and service abstraction.
- Implemented caching and real-time notification mechanisms using Redis-based infrastructure.

**Tech Stack:** Laravel, JSON:API, Redis, PostgreSQL

### **Backend Engineer**

**Lamba – Mansoura, Egypt**

**May 2018 – October 2020**

- Developed secure e-commerce backends with JWT-based authentication.
- Designed admin analytics systems and reporting dashboards powered by structured backend APIs.
- Applied database-level constraints and transaction management to preserve data integrity.
- Wrote automated tests for core backend modules.

**Tech Stack:** Laravel, JWT, MySQL, PostgreSQL, PHPUnit

## **SELECTED BACKEND PROJECT EXPERIENCE**

Extensive portfolio of backend-focused systems available at:

<https://islamdev.com>

## **EDUCATION**

B.Sc. in Electrical Engineering

Mansoura University – 2014

## **LANGUAGES**

Arabic: Native

English: Fluent (Professional Working Proficiency)