

# Yasin Karbasi

## Full-Stack Developer

✉ yasinkardev@gmail.com    ☎ +989981944763    📍 Tabriz, Iran    🔄 YasinKar



### Professional Summary

Full-Stack Developer with 3+ years of experience building scalable, high-performance web applications. Strong background in distributed systems, microservices architecture, and backend optimization. Passionate about low-level concepts and continuously improving system design and performance.

### Professional Experience

Freelancer2023 – 2025

- Optimized application performance by introducing Redis caching and asynchronous background tasks with Celery, reducing response times by up to 40%.
- Deployed and maintained containerized applications using Docker and Kubernetes, ensuring high availability and scalability.
- Collaborated directly with clients to analyze requirements, propose technical solutions, and deliver end-to-end systems.

### Technical Skills

<b>Programming Languages:</b> Python, TypeScript	<b>Frameworks:</b> Django(DRF & Graphene), FastApi, NextJS
<b>Tools &amp; Technologies:</b> Celery, Nginx, Apache Kafka, Fluentd	<b>DevOps &amp; CI/CD:</b> Docker, Kubernetes, Github Actions
<b>Databases:</b> PostgreSQL, MongoDB, Redis	<b>Methodologies:</b> Agile, Microservices, SOLID Principles, Design Patterns

### Projects

- Powerful Microservices**
- Designed and implemented a scalable, event-driven microservices architecture using FastAPI and Django. Utilized Apache **Kafka** for inter-service communication with **Saga choreography** and **eventual consistency**. Centralized authentication and authorization using **Keycloak**. Deployed on **Kubernetes** with centralized logging, caching, and **database sharding** to achieve high scalability.
- Learnium**
- A learning platform built with Django and NextJS, designed for secure content delivery and rich user interaction,it features encrypted **HLS** video streaming, a **GraphQL-based** backend, and real-time communication using **WebSockets**.The platform includes a **CMS**, advanced dashboards for students and instructors, and powerful filtering and search capabilities.optimized for performance using Redis, Celery, and asynchronous processing.
- Django HLS**
- Django HLS** is a reusable Django package for secure and adaptive video/audio streaming using the **HLS protocol**,it leverages **FFmpeg** to generate multi-quality streams and supports **asynchronous processing with Celery**.Django HLS integrates seamlessly with Django models, automatically managing HLS playlists, segments, and encryption keys.

### Education

Mathematics Diploma2024 – Now  
I'm currently studying for a diploma in mathematics.

Tabriz, Iran

### Languages

English Fluent	Persian Native	Turkish Native
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