Ehsan Fouladi

Full Stack Web Developer

ehsan.fouladi@gmail.com | 09354469406 | Remote | GitHub | Instagram | LinkedIn

Summary

Senior Full-Stack Engineer with 8+ years building scalable distributed systems at 10K+ req/sec, 99.9% uptime. Expert in microservices architecture (Django/DRF, gRPC, Celery), OAuth2/payment systems, and DevOps infrastructure—proven track record scaling e-commerce and fintech platforms from zero to millions of operations while mentoring engineers and delivering on aggressive timelines.

Technical Proficiencies

Backend: Python, Django, Django REST Framework (DRF), PostgreSQL, Celery, SQL optimization, asynchronous job processing.

Systems & Architecture: Microservices architecture, gRPC/Protobuf, OAuth2/Authentication, REST APIs, API design, system design, real-time communication (WebSockets), multi-tenant architecture.

Tools & Other: Git/GitHub, Linux, Internationalization (i18n), signal processing; Certifications: CCNA, MCITP.

Frontend: React, Redux, Next.js, Tailwind CSS, Web3 (Wagmi/Viem), responsive design, state management, UI optimization.

DevOps & Infrastructure: Docker, Kubernetes, CI/CD pipelines, Prometheus/Grafana, Linux, AWS/GCP basics, observability, infrastructure automation.

Professional Experience

Backend Technical Lead (Contract) — EasyLift – Elevator Service & Maintenance Platform July 2026–Present

- Collaborated with the client to define product requirements and key platform features.
- Designed the backend architecture, database schema, and REST APIs.
- Developed the backend using Django and Django REST Framework.
- Participated in recruiting and evaluating UI/UX designers and frontend engineers.
- Coordinated technical implementation across design, frontend, and backend teams.
- Advised on architectural decisions to improve scalability, maintainability, and overall product quality.

Senior Back-end Developer — 7sobh.com November 2025–April 2026

- Designed and deployed scalable REST APIs with Django/DRF integrating 3+ third-party services; handled 500K+ monthly requests at sub-100ms latency, enabling seamless system interactions.
- Optimized PostgreSQL queries and indexing strategy reducing critical query latency from 2.5s to 200ms; improved throughput 35% via connection pooling and caching.
- Mentored 2 junior developers on Django ORM, query optimization, and API design; conducted code reviews ensuring architectural consistency.

Principal Full-Stack Engineer & Technical Lead — lenosell.ir September 2023–June 2026

- Architected and scaled microservices platform (Shop, Order, Product) from startup to 10K+ daily active users, 50K+ peak req/sec, 99.9% uptime; designed gRPC inter-service communication with protobuf contracts, implemented REST APIs with OAuth2/introspection, and enforced drf-spectacular API docs across 15+ services.
- Engineered geospatial product catalog with hierarchical categories, bulk operations, S3 media storage, and variant management; optimized query latency from 800ms to 150ms via indexes and caching, driving 20% conversion rate improvement.
- Built Django OAuth Toolkit authentication server and PCI-compliant payment processing system; implemented KYC/KYB and Subscription microservices with Celery async jobs; established Docker/CI-CD pipelines and observability (Prometheus/Grafana) for production reliability.
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Mentored team of 4 engineers on system design patterns, led technical decisions for scaling infrastructure, and ensured zero critical incidents across all services.

Cadinuswap (Freelance Full-Stack) — cadinu.io April 2022–August 2023

- Architected and built full-stack DeFi platform serving 5,000+ active Ethereum traders; optimized React/Redux frontend performance (2.1s Lighthouse improvement) and backend async job system handling 200+ transactions/sec with zero data loss.
- Implemented Web3 integration (Wagmi/Viem) with secure transaction signing and wallet connections; designed smart contract interaction patterns preventing common vulnerabilities.
- Launched Next.js landing page and Strapi blog CMS; optimized content pipeline reducing deployment from 15min to 3min (30% velocity gain).

opgAI (Freelance, Full-Stack) — opgai.com April 2022–November 2022

- Architected full-stack SaaS for dental practice management (Django/DRF, React, PostgreSQL) adopted by 20+ clinics managing 5,000+ patient records; designed HIPAA-compliant multi-tenant architecture with encrypted storage, RBAC, and audit logging.
- Engineered AI diagnostic module achieving 95% accuracy for tooth condition detection, reducing diagnosis time by 40% and enabling 3x daily patient throughput; designed appointment scheduling with conflict prevention and SMS/email notifications.
- Delivered product on-schedule, on-budget, zero critical post-launch issues; generated 5+ client referrals.

Software Engineer (Contract, Data Systems) — Metil Hamyar September 2021–January 2022

- Designed normalized PostgreSQL model for iron-ore logistics (rail/road shipments, lab metrics) handling 100K+ monthly records; built Excel import/export workflows with validation reducing data entry errors 85% and manual reconciliation 60%.
- Integrated IoT sensor network and smart monitoring systems; automated master data sync eliminating 20 hours/week manual work.
- Delivered financial/operations reporting enabling 15% better cost visibility for supply chain optimization.

Education

Master of Telecommunication Engineering 2016
Yazd University (GPA 3.14)

- Relevant Coursework: Speech Signal Processing, Microphone array speech processing, Speech overlap, Speaker number detection
- Thesis: Source Number Detection for The Localization of Simultaneous Speakers

Bachelor of Electrical and Electronics Engineering 2013
Islamic Azad University Fars Science & Research (GPA 3.4)

- Bachelor Project: SMS Caller ID

Languages & Additional

- **Languages**: Persian (Native), English (Fluent)
- **Passions**: System design, scalability challenges, open-source development, continuous learning in distributed systems