Erfan Khoshreza

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PROFESSIONAL SUMMARY

Backend-focused full stack engineer with 4+ years of experience building infrastructure automation, CI/CD pipelines, and event-driven microservice systems for cloud services. Led a four-engineer core-services team while delivering IaaS automation, Kafka-based event streaming, and load-balancing systems. Track record includes cutting on-call incidents by 40%, reducing manual VM provisioning time from 15 minutes to under 90 seconds, and reducing service downtime by 50% through CI/CD and load balancer redesign.

CORE COMPETENCIES

- Backend system design & microservices architecture
- Infrastructure automation (IaaS)
- CI/CD pipeline design
- Load balancing & high availability
- Team leadership & mentoring
- Agile sprint planning
- Health check & monitoring systems
- Cross-functional collaboration

PROFESSIONAL EXPERIENCE

Head of Core and Automation

Derak Cloud, Shiraz | May 2024 – Feb 2025

- Leadership and coordination: Led a core-services team of four engineers, setting technical direction, running agile ceremonies, and mentoring junior developers; raised delivery velocity by approximately 30% through tighter sprint planning and code-review standards.
- Infrastructure automation: Built an end-to-end IaaS automation layer on Xen and ESXi enabling one-click server provisioning, reset, and graceful shutdown; reduced manual VM operations time from approximately 15 minutes to under 90 seconds and cut on-call incidents by 40%.
- Platform architecture: Integrated Apache Kafka as the platform's central event bus, introducing resilient, decoupled microservice communication and real-time monitoring; the system now handles 2M+ messages/day with under 50ms latency.

Full Stack Developer

Derak Cloud, Shiraz | July 2022 – May 2024

- Reliability engineering: Implemented a load balancing system that redirected requests to alternative node instances during failures, ensuring uninterrupted service.
- Delivery automation: Integrated a GitLab CI/CD pipeline with a custom CLI tool, enabling streamlined deployment to production and test environments.
- Monitoring systems: Developed a health check system supporting multiple service types, with configurable intervals and regex-based service matching for precise monitoring.

Backend Developer

Derak Cloud, Shiraz | July 2021 – July 2022

- Billing systems: Built a fully automated billing system in Node.js and Redis that calculated user usage, processed refunds for surplus funds, and let users configure custom plans via an integrated calculator.
- Microservice communication: Built a resilient backend system in Python and gRPC to support efficient, reliable interservice communication among microservices.

Frontend Developer (Intern)

Derak Cloud, Shiraz | March 2021 – June 2021

- Product development: Built a custom video player supporting the m3u8 format using Vue.js and Vuetify, including a fully customized UI and a dedicated panel for live-streaming controls.

Freelance Web Developer

Freelancer.com | March 2020 – June 2021

- Client delivery: Delivered front-end development projects for multiple clients, handling requirements gathering through implementation.

PERSONAL PROJECT

Online Gaming Shop

January 2021 – March 2021

- Built an online gaming shop using React and Node.js, featuring an automated daily inventory update mechanism and an admin panel for order processing and ticket management.

EDUCATION

Bachelor's Degree, Computer Engineering

Shiraz Islamic Azad University, Iran | June 2022

TECHNICAL SKILLS

• JavaScript; Python; Go	• GitLab CI/CD; Git	• Xen; ESXi virtualization
• Node.js; Express	• Redis; Apache Kafka	• Jest (testing)
• Vue.js; React	• gRPC; Bashly	• OOP design patterns

- AI-Assisted Development: Cursor, Claude, ChatGPT (code generation, review, and debugging workflows)

CERTIFICATES

- Developing Back-End Apps with Node.js and Express — IBM (Coursera), November 2023
- React Developer (Redux/Hooks/GraphQL) — Udemy, April 2021