

Parham Askarzadeh

PLATFORM ENGINEER

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PROFILE

Platform Engineer with 5+ years of experience designing, building, and maintaining scalable, high-availability systems. Strong Python development background for creating automation tools, data processing pipelines, and custom integrations. Expertise in monitoring, incident response, and DevOps practices to achieve strict SLOs, 99.9%+ uptime, and significant performance improvements in production environments. Proven leadership in cross-functional teams to bridge development and operations for reliable, efficient platforms.

EDUCATION

M.S. in Artificial Intelligence

[K. N. TOOSI UNIVERSITY OF TECHNOLOGY](#) - TEHRAN, IRAN

2024 - Present

B.S. in Computer Engineering

[Sharif University of Technology](#) - Tehran, Iran (Iran's premier technical university, ranked #375 globally in QS World University Rankings 2026)

2018 - 2023

- Served as Teaching Assistant for courses in Python Programming, Advanced Java Programming, Software Engineering, and Linear Algebra.

PROFESSIONAL EXPERIENCE

TECHNICAL PRODUCT MANAGER & TEAM LEAD

Independent Startup Project | Tehran, Iran

- Led a 5-member cross-functional team, managing full product lifecycle from ideation to delivery using Agile practices.
- Coordinated with stakeholders to prioritize features and deliver scalable, reliable solutions aligned with business objectives.

SITE RELIABILITY ENGINEER & PLATFORM TEAM LEAD

[Maktabkhooneh Co.](#) - Leading Iranian online learning platform | Tehran, Iran
January 2024 - Present

- Promoted to lead Platform team; partnered with product and business to deliver scalable, reliable infrastructure driving rapid company growth.
- Led development of automated course production pipeline (foreign course ingestion + subtitle generation), significantly expanding catalog size and boosting revenue.
- Built AI platform for comment moderation, ticket/support workflows, and automated project grading – delivering major cost savings, faster responses, and higher accuracy/user satisfaction.
- Designed and maintained Airflow-based video processing pipelines, 25–30% faster throughput.
- Managed production servers with Nginx, comprehensive monitoring/observability (Prometheus, Grafana, Loki, Netdata, Sentry), security hardening (Fail2Ban), automated backups (Borgmatic, Rclone), CI/CD, and Python/Docker automation while leading on-call and blameless post-mortems.

DATA ENGINEER & PYTHON DEVELOPER

[Lifeweb Co](#) – Leading social listening and media monitoring company in Iran |
Tehran, Iran

January 2021-December 2023

- Designed and implemented robust ETL pipelines (Spark, Airflow, NiFi, Kafka, RabbitMQ) using advanced Python scripting for real-time processing of millions of records daily – achieving 99%+ data accuracy and 50% faster ingestion speeds.
- Developed and optimized high-scale, production-grade Python crawlers (Scrapy, Selenium, Regex) for platforms including Twitter, TSETMC, Sahamyab, Rahavard365, Codal, IRNA, and YJC – expertly handling complex scraping logic, rate limiting, and data integrity with minimal downtime.
- Built dockerized Flask RESTful APIs and managed MongoDB, PostgreSQL, and Elasticsearch clusters using Python-based tools and custom automation scripts to deliver fast, reliable client-facing analytics.
- Added monitoring, validation, and error-handling layers to pipelines with Python, strengthening reliability and supporting Lifeweb's reputation for timely, trustworthy social listening data in the Iranian market.

MACHINE LEARNING INTERNSHIP

[Rahnema College](#) | Tehran, Iran

May 2023-September 2023

- Developed end-to-end demand and driver supply forecasting system for an online ride-hailing application, covering exploratory data analysis (EDA), feature engineering, model selection, and implementation using Python (scikit-learn, pandas).

TECHNICAL SKILLS

- Programming & Automation: **Python**
- Frameworks & Backend: **Django, Flask**
- DevOps & Infrastructure: **Docker, Borgmatic, Rclone, CI/CD, Git**
- Messaging & Streaming: **Kafka, RabbitMQ**
- Big Data & ETL: **Hadoop, Airflow, NiFi, Logstash**
- Databases: PostgreSQL, **MongoDB, Elasticsearch, AWS S3**
- Monitoring & Observability: **Prometheus, Grafana, Loki, Netdata, Sentry**
- Security & Reliability: **server hardening, SLO/SLA management**

LEADERSHIP & PROFESSIONAL SKILLS

- Team Leadership & Mentorship
- Cross-Functional Collaboration
- Stakeholder Management & Negotiation
- Product Management & Agile/Scrum
- Problem Solving & Critical Thinking

LANGUAGES

- Persian: Native
- English: Advanced (IELTS Academic 7.0, 2024)

CERTIFICATES

- IELTS Academic – Overall Band Score 7.0 (2024)
- MCSA 2016 – Tehran Institute of Technology (2018)
- LPIC-1 – Anisa Technology Courses (2018)
- Sharif Gamein Event – Sharif University of Technology (2021)
- Sharif AI Challenge Event – Sharif University of Technology (2021)