



Emad Ehsanrad

Software Engineer



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SUMMARY

Experienced software engineer with more than 6 years of expertise in developing scalable applications used by over 100 thousand users. Proficient in multiple programming languages and frameworks. Consistently worked in international environments with cross-functional teams to drive growth through innovative solutions. Committed to continuous learning and adapting to emerging technologies. Good team player and open-source contributor.

EXPERIENCE

- **edSPIRIT** Software Engineer Dubai, UAE May 2021 - Present
A cloud-based company experienced in delivering Open edX solutions. Hosting, consulting, and customizations.
 - Led the design and development of a scalable SaaS platform, resulting in a client base of more than 200.
 - Supervised infrastructure transition (EKS to in-house clusters) and major upgrades with 99.99% uptime.
 - Collaborated with the sales team in client meetings, providing technical expertise to support product demonstrations and address customer inquiries.
 - Designed an onboarding program for new engineers, ensuring a smooth transition & rapid integration to the team.
 - Recognized as a core contributor in the Open edX community, an open-source learning platform used by millions.
 - Developed a real-time KPI dashboard using OpenTelemetry, Grafana, and custom data pipelines, improving operational visibility by 40%, and pushing the culture of making data-driven decisions.
- **Pubnito** Fullstack Python developer Tehran, Iran May 2019 - February 2022
An international company, experienced in creating content-based platforms and services.
 - Implemented multi-tenancy support, enhancing scalability and reducing operational costs by 20%.
 - Devised a web scraping tool that automated 100% of the EPUB creation workflow, saving our content team 3+ months of work and securing a partnership with Rice University.
 - Integrated authentication and other services with SSO with Keycloak, enhancing security and system efficiency.
 - Migrated the monolithic application to a containerized environment using Docker and Kubernetes, improving deployment efficiency and system reliability.
 - Empowered all teams with workshops, boosting skill development and applying new techniques in daily tasks.
- **InstructHub** Backend Developer Tehran, Iran September 2017 - January 2019
Cutting-edge company specializing in delivering innovative e-learning solutions.
 - Refactored a large legacy codebase from Python 2 to 3, resulting in system performance & using modern libraries.
 - Worked closely with stakeholders to gather and analyze requirements for developing software solutions.
 - Optimized database queries and implemented caching strategies, reducing average API response time.
 - Configured & managed CI/CD pipelines, reducing the number of deployment errors & enhancing deployment efficiency.
 - Implemented centralized logging and monitoring using ELK stack, replacing legacy practices and reducing issue detection time.

EDUCATION

- **Kermanshah University of Technology** Kermanshah, Iran
Bachelor of Science in Telecommunication Engineering September 2012 – May 2016

SKILLS

Languages: Python, JavaScript, TypeScript, Dart, SQL. **Tools:** Kubernetes, Docker, GitLab CI, Jenkins.
Databases: MySQL, PostgreSQL MongoDB, ClickHouse, Neo4J. **Frameworks:** Django, Flask, NextJS.

LANGUAGES

English: Full professional proficiency (C1) **German:** Elementary proficiency (A1) **Persian:** Native