

PIROOZ EKHTIYARI

Vancouver, British Columbia, Canada

+1 (604)762-0736 | ekhtiyari.pirooz@gmail.com | Pirooz.dev | github.com/Vyngard | linkedin.com/in/ekhtiyari-pirooz

Skills

Programming Languages: Python, Java, JavaScript, SQL

Frameworks & APIs: Django, Spring Boot, Express.js, RESTful Web Services

Databases: PostgreSQL, MySQL, MongoDB

DevOps & Cloud: AWS, Docker, Kubernetes, Git, Linux, Terraform, Grafana

Key Expertise: Backend Development, DevOps, Automation, Data Engineering, Cloud Computing, Microservices Architecture, Data Pipelines, API Integration, Database Optimization

Work Experience

Software Engineer (Back-End & DevOps)

Vancouver, B.C., Canada

Olyns (Environmental Company)

Aug. 2023 – Apr. 2025

- Developed Python ETL pipelines to extract, clean, and validate data from AWS S3, resulting in standardized datasets that reduced end-to-end latency by 25% and cut machine learning training costs by 30%.
- Architected scalable schemas to optimize database operational efficiency, reducing maintenance overhead by 25%.
- Engineered a scalable data validation platform using RESTful API to enhance big data extraction performance from AWS S3 storage, resulting in a 70% reduction in data entry errors.
- Pioneered next-generation infrastructure deployment within AWS cloud resources (EC2, RDS), boosting system availability by 10% and diminishing tickets by 15%.
- Fostered a collaborative environment by actively onboarding new team members, contributing to comprehensive documentation, and mentoring junior developers.

Software Engineer (Back-End)

Tehran, Iran

Science & Technology Park (Enterprise Solutions Provider)

Oct. 2019 – Mar. 2023

- Maintained a distributed microservices-based enterprise application, integrating ERP, CRM, and BPMS solutions.
- Successfully containerized and migrated legacy services to Docker, amplifying overall performance by 30%.
- Refactored backend services using Django and Spring Boot, increasing API response efficiency.
- Improved data processing speed by 15% by optimizing PostgreSQL and MongoDB queries.
- Led the initiative to reduce global infrastructure downtime by 40% using Ansible on major servers.

Software Engineer (Back-End)

Tehran, Iran

Rayaneh (Enterprise Solutions Provider)

Jul. 2018 – Sept. 2019

- Developed and maintained BPMS and DMS solutions using Java, Spring Boot, and MySQL, optimizing business process automation and document management efficiency by 20%.
- Designed and implemented scalable microservices architectures for BPMS, reducing system downtime by 30%.
- Integrated DMS with third-party APIs and internal modules, improving document retrieval/storage process by 25%.
- Optimized MySQL queries, implementing caching strategies to enhance data processing and response times.
- Deployed both BPMS and DMS using Docker and Kubernetes, increasing system scalability and reliability by 15%.

Business Developer

Tehran, Iran

Tapsell (Digital Advertising Network Agency)

Jul. 2020 – Aug. 2021

- Leveraged data analytics through Grafana dashboards to secure 20% more profitable contracts.
- Conducted strategic customer negotiations, increasing contract value by 15%.

Education

Douglas College

Vancouver, B.C., Canada

Post Degree Diploma in Information and Communication Technology

May 2023 – Apr. 2024

Kharazmi University

Tehran, Iran

Master of Business Administration (M.B.A.)

Sept. 2015 – Jul. 2017

Sharif University of Technology

Tehran, Iran

B.Eng. in Software Engineering

Sept. 2009 – Sept. 2014