

Morteza Bahrami

Full-Stack Developer | DevOps Engineer | Systems Architect

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Profiles

LinkedIn

[morteza-bahrami](#)

GitHub

[mortezaBahrami](#)

Skills

Software Development

Python, Django, Angular, Java EE, JavaScript/Typescript, Dart, Flutter, Android SDK, PHP, RabbitMQ, SQL (Oracle, MSSQL, MySQL, and SQLite), MongoDB, DDD (Domain Driven Design), Microservices, Go, AWS Beanstalk

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DevOps & CI/CD

Gitlab, Docker, Github Actions

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System Administration

Linux, Windows Server, Bash, Monitoring Solutions, Virtualization, Mikrotik, Network Design, IP PBX

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Certifications

ISO 9001 FOUNDATION

TUV Nord

ATTENDANCE OF PMBOK WORKSHOP

Detma Institute

Interests

Nerdy tech experiments

Traveling

Summary

Senior Software Engineer with 10+ years of experience building and operating business-critical systems across fintech, banking, aviation, and enterprise environments. Combines strong software engineering expertise with a deep background in infrastructure, networking, and DevOps to deliver scalable, resilient, and high-performance solutions. Experienced in payment systems, ISO 8583 transaction processing, microservices architecture, CI/CD automation, and high-throughput platforms powered by Go, Python, Oracle, and MongoDB.

Experience

Blu Bank

(Feb 2025 - Present)

Senior Full Stack Developer

- Contributed to the design and development of a high-performance ISO 8583 transaction simulator, supporting multiple message specifications and high TPS workloads for testing and certification environments.
- Participated in the development and enhancement of payment switch modules, focusing on transaction routing, processing, and operational reliability.
- Developed and maintained internal switch management and administration portals, enabling configuration, monitoring, and operational control of payment services.
- Built backend services using Go (Golang) and modern frontend applications using React and Next.js.
- Engineered solutions for high-volume transactional systems leveraging Oracle and MongoDB, ensuring data consistency and performance under heavy load.
- Designed and implemented features with a strong focus on scalability, observability, fault tolerance, and maintainability.
- Collaborated closely with cross-functional teams to deliver secure and reliable financial services infrastructure.

Caspian Banking Solutions

(April 2021 – Feb 2025)

Full-Stack DevOps Engineer

- Migrated legacy Django software to microservice architecture with Django Rest Framework and Docker.
- Implemented Task Queue using Celery and RabbitMQ for fraud detection systems with over 100 rule-based mechanisms.
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Languages

English
Intermediate
Persian
Native

- Developed AI chatbot backend using FastAPI and RoBERTa, integrated with MongoDB.
- Migrated front-end from Django to Angular (Ngx-admin), dynamically building UIs using factory design patterns.
 - Developed AI chatbot front-end with React.
 - Architected hybrid CI/CD pipeline for Python and Angular using Docker, GitLab, and GitLab-CI.

Key Achievements:

- Delivered a multi-project platform (Django + Angular) increasing development speed by 3x.
- Automated CI/CD processes, resulting in a 25% efficiency boost for team members.
- Enhanced customer satisfaction through UI/UX improvements from migration to Angular.

Ayandeh Pouya Investment (Apr 2020 - Apr 2021)
IT Manager

- Installed and configured pfSense UTM, reverse proxy (HAProxy), and hybrid VPN solutions (OpenVPN).

Kish Airlines (Jun 2018 - Nov 2019)
Senior System Administrator

- Deployed web infrastructure including Apache, NextCloud, BIND, FreePBX, and VMware VCSA.
- Migrated mail server, reducing hosting costs by 90%.

Key Achievements:

- Unified authentication and cloud storage, significantly improving workflow and user satisfaction.

Pars Air (Jun 2017 - Nov 2019)
Communications Administrator

- Created company website (WordPress) and set up OPNSense UTM, VPN (OpenVPN), and VoIP systems.
- Installed and configured Apache, Tomcat, and OwnCloud.

Iran Airtour Airline (Dec 2013 - Apr 2017)
Communications Administrator

- Developed Android app for flight management, reducing report periods by 90%.
- Implemented UTM, NextCloud, VPN, and mail server migration (Kolab to custom solution).

Education

Shahrood University of Technology IT Engineering
B.E. (Jun 2007 - Jan 2012)
Thesis: Developing a prototype of an AR device.

Projects

- Salam App -
 - App is currently Under Development - Developed in Flutter and Dart - Backend Used by Parse Platform
- FMS Client -
 - It's been launched in two Airlines - Modules and Tools: REST and SOAP Webservice, Android SDK, Android Async Database
- Income Monitoring App -
 - Operational In Kish Air - Modules and Tools: PHP, REST, jQuery