

Milad Mahmoodi *Software Engineer*

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SUMMARY

Software Engineer with **3+** years of experience building scalable, reliable production systems across backend and distributed systems. Proven track record of owning systems across **25+** microservices and **8** engineering teams, serving **5M+** daily ad impressions. Delivered AI-powered capabilities that reduced process execution time by **91%**, with a focus on system design, reliability, and end-to-end delivery.

EXPERIENCE

Smartech

Software Engineer 12/2025 – Present | Tehran, Iran

- Designed and delivered **6** microservices for systems serving **5M+** daily ad impressions.
- Built **AI-powered** campaign workflows, reducing campaign creation time from **45 minutes** to **4 minutes**.
- Engineered AI workflows with custom prompts, data enrichment, and output validation for automated campaign creation.
- Designed distributed systems processing **1M+** daily events across campaign and advertising workflows.
- Delivered **frontend** fixes and feature improvements across the application.

Site Reliability Engineering 04/2025 – 12/2025 | Tehran, Iran

- Owned production reliability across **25+** microservices, serving as the engineering/DevOps interface for **8** teams.
- Managed **30–50** daily requests by introducing structured workflows and automating repetitive infrastructure validation.
- Built automated Kubernetes validation pipelines, reducing CI/CD runtime from **10 minutes** to **4 minutes**.
- Standardized infrastructure workflows across **8 teams**, enabling automated deployments and application discovery.
- Reviewed **25+** microservices and resolved production issues involving security, performance, and reliability.

Software Engineer, Sazmanito | Aradly 01/2025 – 04/2025 | Tehran, Iran

- Built an organizational benefits platform from scratch, supporting **3+** companies and **1K+** users.
- Designed the **multi-tenant architecture** from scratch, supporting isolated workflows and data across multiple organizations.
- Designed concurrent reservation workflows to prevent overbooking and ensure consistency.

Software Engineer, Invex  03/2024 – 01/2025 | Tehran, Iran

- Developed and optimized core trading services supporting a platform with **150K+** users.
- Built a reconciliation service to continuously verify trade, order, and pricing consistency across **100K+** daily transactions.
- Built **50+** analytics dashboards for business and marketing teams, uncovering and resolving data quality issues.
- Developed a Telegram-based trading experience to attract and onboard users from the Telegram ecosystem.
- Introduced end-to-end testing practices to improve reliability across trading workflows.

Software Engineer, Narvan Ventures 08/2023 – 03/2024 | Tehran, Iran

- Contributed to the development of multiple startup products from early-stage concepts to functional prototypes.
- Built foundational backend components for emerging products, including systems that later evolved into **Invex**.
- Collaborated with product, frontend, and design teams throughout the software development lifecycle.

Software Engineer Intern, Daneshkar Group 04/2023 – 08/2023 | Tehran, Iran

- Developed Python-based applications under the guidance of senior engineers.
- Gained hands-on experience with backend development, Linux, Git, and relational databases.
- Collaborated in a team environment using modern software development practices.

SKILLS

Backend Engineering: Python, Go, FastAPI, Pydantic, SQLAlchemy, REST, GraphQL, gRPC
Software Engineering: System Design, Distributed Systems, Software Architecture, Clean Architecture, Domain-Driven Design
Distributed Systems: Kafka, Temporal, Event-Driven Architecture
Databases: PostgreSQL, ScyllaDB, Redis, Elasticsearch, StarRocks
Infrastructure: AWS, Kubernetes, Docker, Terraform, Argo CD, CI/CD, Linux, Git
Testing: Behave, Gherkin, Testcontainers, End-to-End Testing, Load Testing
Observability: Prometheus, Grafana, Kibana
AI: LLMs, Prompt Engineering, AI-assisted Development
Frontend: React, TypeScript
Analytics: Metabase

OPEN SOURCE

ArchiPy , *Open-source Python framework for scalable backend applications using Clean Architecture and Domain-Driven Design.*

- Contributed to ArchiPy's architecture and implementation through code contributions and technical design decisions.
- Adopted the framework in production backend projects and contributed to its architectural evolution.