



Mohammadali RAHIMI

Software and AI engineering

Saint-Étienne, France · imarkrahimi@gmail.com · 0635047130 · linkedin.com/in/markrahimi · github.com/markrahimi

Languages: Persian (Native) · English · French

About: Software Engineer and Technical Lead with 4+ years of experience designing scalable backend systems, distributed architectures, and enterprise platforms. Currently pursuing a Master's degree in Cyber-Physical & Social Systems (CPS2) in France while expanding expertise in Machine Learning, AI systems, and modern software architecture.

■ PROFESSIONAL EXPERIENCE

Software & AI Engineering Intern · Imersual Ltd

2026-04 – 2026-07

- Designed and shipped the platform's promotional-code system (schema, Stripe checkout, admin panel).
- Reworked the credit-redemption lifecycle so failed payments no longer consume a user's quota.
- Designed and implemented, from scratch, a production AI support agent using LangGraph and retrieval-augmented generation (RAG) over PostgreSQL/pgvector.
- Engineered reliability (retries, fail-open rate limiting, bounded context) and quality assurance (53 automated tests, an LLM-as-a-judge evaluation harness).
- Built the full stack:** FastAPI backend, a Next.js chat widget with SSE streaming, and a staff admin dashboard.
- Written +50 reviewed commits across 4 repositories inside a Scrum team, using feature branches, code review, and versioned database migrations.

Software Engineer · Rahrovan Technical and Engineering

2023-08 – 2025-08

- Designed and built a distributed microservices backend (Django, FastAPI, Celery, Redis, PostgreSQL) spanning around seven services for the Dongino and Gozaresha platforms, covering authentication, dynamic pricing management, and third-party integrations.
- Developed Gozaresha, a reporting and form-management platform integrated with internal project-management and accounting systems, including role-based permissions, notifications, and background job processing.
- Designed and maintained the relational and NoSQL data layer for Dongino and Gozaresha, comprising around 30 PostgreSQL tables and multiple MongoDB collections.
- Built CI/CD pipelines with Docker and GitHub Actions, enabling automated deployments for a team of about seven developers.
- Contributed to intelligent automation workflows and AI-oriented system design for scalable, data-driven business operations.
- Grew Gozaresha from an internal reporting tool into a SaaS product adopted by more than 20 companies.

Software Engineer · DANAPCO Inc.

2021-02 – 2023-08

- Built backend services and REST APIs for HSE (health, safety, environment) and suggestion-management systems used by multiple industrial companies, serving roughly 10,000 users.
- Led the gradual migration from a monolithic to a distributed architecture for the HSE and Suggestion Management systems, introducing Celery for asynchronous tasks and Redis for caching.
- Optimized PostgreSQL and MySQL queries, improving performance by 20-30% on average and up to 60% on certain critical endpoints.
- Implemented background processing, complex Excel report generation, file-upload management, and email/SMS notification systems.
- Integrated external authentication and accounting services, cutting an estimated six-month integration effort down to about one month.
- Set up Docker and Docker Compose environments and improved backend monitoring and error handling.

■ SKILLS

CONCEPTS

LangGraph · REST APIs · System Design · Automation Mindset · Caching · Testing · Clean Code · Problem Solving · AI · LangChain

DATABASES & CACHING

PostgreSQL · Redis · MySQL · MongoDB

DEVELOPMENT

FastAPI · Next.js · React · Django · Django REST Framework · Spring Boot

DEVOPS & TOOLS

Docker · Kubernetes · Git · Linux · GitLab CI/CD · Azure

PROGRAMMING LANGUAGES

Python · TypeScript · Java · PHP · Go

■ EDUCATION

Master's Degree

École des Mines de Saint-Étienne & UJM, France
2025-09 – 2026-08

Bachelor's Degree

Shahid Bahonar University, Iran
2016-09 – 2021-06

■ CERTIFICATIONS

Introduction to Artificial Intelligence

The Open University · 2025-01

Meta Back-End Developer

Meta (Coursera) · 2023-01