

Mohamad Rahimi

Senior Backend Developer

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https://mrahi.me

Profiles

in mohamad-rahimi

RahimiPooya

PooyaRah

Soft Skills

Problem Solving

Strategic Planning

Communication

Adaptability

Leadership

Team Management

Technical Skills

Software & Backend Development

Architectures: Distributed Systems, Microservices, Real-Time, Multi-Tenant, Concurrent Programming

Languages & Frameworks:

Java: Jersey, Quarkus, Spring

JavaScript: Molecular, Express

Python: FastAPI

API & Communication: REST, GraphQL, gRPC, WebSockets

API Documentation: Swagger, Postman

DevOps & Infrastructure

Containers & Orchestration: Docker, Docker Compose, Kubernetes

CI/CD: GitLab CI, GitHub Actions

Monitoring & Observability: OpenTelemetry, Jaeger, Grafana, Prometheus, New Relic

Web Servers: Nginx, Apache, Traefik, Tomcat

Optimization: Load Balancing, Rate Limiting, Caching, Auto-scaling

Databases

Databases: MySQL, PostgreSQL, MongoDB, Cassandra, Elasticsearch, Redis, InfluxDB

ORM & Data Access: JDBC, JPA, Hibernate, Prisma, Mongoose, SQLAlchemy

Messaging & Event Streaming

Apache Kafka, RabbitMQ, Ably

Cloud Providers

DigitalOcean, AWS, OVHcloud, ArvanCloud, Google Cloud

Embedded Systems

Raspberry Pi, Arduino, Embedded C, Electronic Circuit Design

Summary

I'm an expert backend developer and technology leader with experience in software engineering, distributed systems, and high-performance computing. As the former Co-Founder and CTO of P.G. Havin, I've led teams to deliver scalable solutions in cloud computing and AI-driven systems. I'm eager to apply my expertise and collaborate on building applications that drive business success.

Experience

Acardeon

April 2024 – April 2025

Tech Lead & Senior Backend Developer

Iran

https://acardeon.ir

Designed and led the backend development of a scalable live music ticketing platform using Java and PostgreSQL. Implemented WebSockets for real-time seat availability and built secure transaction processing to ensure reliable ticket sales and event check-ins.

The Human Insight Project

March 2023 – April 2025

Senior Backend Developer

Colorado, USA (Remote)

https://thi.ai

Developed and maintained scalable Java-based backend systems for THI.AI, supporting a multilingual AI-powered medical assistant. Integrated advanced large language models to provide real-time medical insights and collaborated with OVHcloud to optimize cloud infrastructure and data security.

Zard.AI

December 2022 – April 2025

Tech Lead & Senior Backend Developer

Dubai, UAE (Remote)

https://zard.ai

Led the backend team in designing and implementing scalable microservices architectures using Java and Python for AI-driven enterprise solutions. Developed high-performance data pipelines, integrated machine learning models, and collaborated with cross-functional teams to enhance automation, efficiency, and transparency.

Noora Payment

December 2022 – October 2024

Senior Backend Developer & DevOps Engineer

Dubai, UAE (Remote)

https://noorapayment.com

Developed scalable microservices for crypto payments using JavaScript and Molecular. Integrated MongoDB, designed CI/CD pipelines, and managed containerized infrastructure with Docker Compose. Implemented monitoring to ensure high availability and performance.

Sabz Ventures

January 2022 - September 2024

Co-Founder & Research Lead

Georgia, USA (Remote)

https://www.sabz.vc

Led backend and on-chain development for Sabz Ventures, specializing in quantitative crypto trading. Designed automated trading algorithms with machine learning, developed the Bitcoin-only Ethereum Strategy, and built an on-chain analytics dashboard for real-time performance monitoring. Contributed to AlphaMine XYZ, enhancing blockchain analytics and multi-account management.

Dibsetan

January 2021 - April 2025

Co-Founder & Tech Lead

Iran

https://dibsetan.ir

Led backend development for a social network for book enthusiasts, designing scalable systems and RESTful APIs to support high-volume interactions. Integrated real-time features such as tweet-like feeds, user ranking, chat, and third-party bookstore integration, enhancing community engagement. Optimized database performance and caching strategies, improving content delivery and user experience.

Pardazesh Gostar Havin

Oct 2016 – April 2025

Co-Founder & CTO

Iran

https://www.havin.io

Led technical strategy and architecture for an AI-driven, blockchain, and cloud-native systems consulting firm, specializing in FinTech, Healthcare, and Logistics. Managed a 20+ engineering team, driving innovation in distributed systems and microservices. Directed R&D in AI/ML integration and optimized workflows by 30% through custom tools and automation. Implemented DevOps best practices and managed CI/CD pipelines using Docker and Kubernetes. Oversaw development of key products like Clinica, a smart dental clinic management system, and Straudio, a platform for global music collaboration. Established partnerships, driving technology adoption and business growth.

Caspian Robotic Team

September 2012 - June 2014

Embedded C Programmer & Electronic Circuit Designer

Iran

Developed software and electronic circuits for autonomous rescue robots in IranOpen Junior Rescue competitions. Designed circuits with Altium Designer and Proteus, programming control systems in C. Optimized sensor-actuator interactions and improving performance and reliability

Honors & Awards
2nd Place FinTechFest Pasargad Bank 2017
Finalist Tosan Hackathon FinTech 2017
Finalist IranOpen Junior Rescue League 2014
Finalist IranOpen Junior Rescue League 2013
Member National Organization for Development of Exceptional Talents (NODET) 2008 - 2015
Certifications
Oracle Certified Associate, Java SE 8 Programmer Metaco
Linux Engineer (LPIC-2) Metaco
Certified Linux Administrator (LPIC-1) Metaco
Languages
Persian Mother-tongue
English Fluent

Education	
University of Isfahan, Isfahan, Iran Computer Architecture Department of Computer Engineering	September 2024 - present Doctor of Philosophy
University of Isfahan, Isfahan, Iran Artificial Intelligence and Robotics Department of Computer Engineering	September 2020 - September 2024 Master of Science
Islamic Azad University, Najafabad Branch, Iran Biomedical Engineering Department of Biomedical Engineering	September 2015 - June 2020 Bachelor of Engineering
Ezhei 2 High School Mathematics and Physics Affiliated with the National Organization for the Development of Exceptional Talents (NODET)	September 2011 - June 2015 Diploma
Publications & Research Experience	
Classification and Analysis of On-Chain Data Department of Computer Engineering, University of Isfahan, Isfahan, Iran M.Sc. Project	2024
Preliminary & Step-by-Step Tutorial on Arduino Uno Yar-e-Mana Publication, Iran https://taaghche.com/book/132364 Payam Sanaee and Mohamad Rahimi	2020
Design and Implementation of a Smartphone-Based Hearing Aid Department of Biomedical Engineering, Islamic Azad University, Najafabad Branch, Iran B.Eng. Project	2019