Raha Mohebbi

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Summary

Experienced Senior Software Engineer and Co-Founder with 15+ years of expertise in full-stack and cloud-native development. Specializes in scalable distributed systems, Generative AI (RAG, LLMs), and DevOps. Proven leader in architecting microservices, implementing secure APIs, and deploying AI-enabled solutions with Kubernetes. Holds an MSc in Enterprise & Technology with Distinction.

Skills

Languages & Frameworks: C#, Java, Go, Python, JavaScript, .NET Core, Spring Boot, React, Angular
Cloud & DevOps: Azure, AWS, DigitalOcean, Docker, Kubernetes, Azure Pipelines, GitHub Actions, Jenkins
AI/ML & Data: LLMs (LLaMA, OpenAI), Milvus, Embeddings, Elasticsearch, Kafka, RabbitMQ, SQL Server, Postgres, MongoDB, RAG, Graph RAG **Monitoring & Security:** Dynatrace, Zipkin, Prometheus, Grafana, SumoLogic, NewRelic, HMAC, API Security, Open Telemetry, Otel Collector **Testing & CI/CD:** XUnit, JUnit, NUnit, SpecFlow, TDD, BDD

Experience

Co-Founder – Simoolation.com | California | Mar 2024 – Present

- Built an AI co-pilot platform for content creators using RAG architecture and custom embedding pipelines.
- Deployed scalable GPU-based vector search (Milvus on Kubernetes).

- Designed full-stack cloud-native system (Go, React, LLM APIs), fully containerized and production-ready.

Senior Software Engineer – Optum | Remote | Feb 2023 – Present

- Migrated legacy .NET Framework services to .NET Core; improved maintainability and cloud readiness.
- Built ML pipeline for PDF data extraction, powering a government-endorsed solution.
- Led development of microservices on Azure Kubernetes with Angular frontend and Zipkin tracing.

Senior Software Engineer – Tebra (Kareo) | Irvine, CA | Jun 2022 – Jan 2023

- Developed secure multi-service APIs integrating Java, C#, and Go.
- Re-architected patient systems using AWS Lambda, Kafka, and Elasticsearch.
- Standardized observability and CI practices across teams.

Senior Software Engineer – CoStar | Irvine, CA | Apr 2021 – Dec 2021

- Delivered micro frontends for high-traffic real estate platform using Angular and .NET Core.

Senior Software Engineer – Kareo | Irvine, CA | Nov 2018 – Apr 2021

- Mentored developers and built test-first APIs and UIs with React and .NET.
- Owned modules from design to deployment in HIPAA-compliant environments.

Staff Software Engineer – Cylance | Orange County, CA | Feb 2017 – Nov 2018

- Designed a scalable reporting system with Elasticsearch and React.
- Created ingestion pipeline in .NET Core and implemented analytics APIs.

(Earlier roles at Connecture, SpringboardAuto, DRX, Swinton Group, and others available upon request)

Education

MSc, Enterprise & Technology – University of Salford, UK (Distinction), 2006
BSc, Computer Science – University of Salford, UK, 2004
A-Levels, Mathematics – Stockport College, 2000

Certifications

- Professional Scrum Master I (PSM I)

Languages

- English (C1 – Advanced)
- Farsi (C1 – Advanced)