

# ALIREZA EBRAHIMI

Lead / Principal Software Engineer · Software Architect · Backend & Distributed Systems

Open to remote · Relocation · Employer visa sponsorship (EU / UK / Canada / US / UAE)

Gorgan, Iran (Remote-ready) | +98 911 869 1779 | ar.ebrahimi96@gmail.com | buildwithalireza.ir | Iranian national · Available immediately

## PROFESSIONAL SUMMARY

Lead / Principal Software Engineer and Software Architect with **9+ years** building high-performance distributed systems, SaaS platforms, and real-time backends. Deep expertise in **Go, Python, TypeScript, gRPC, microservices, event-driven architecture, PostgreSQL, and Redis**. Proven impact in healthtech plus frontier AI training for **OpenAI, Anthropic (cybersecurity), and Google Gemini**. Delivered 3× faster job processing, 40% faster database queries, and 30% higher engineering velocity. Combines production architecture leadership with an M.Sc. in computational physics. Seeking senior backend, staff, architect, or engineering-lead roles with visa sponsorship.

|                                                                 |                                                              |                                                                 |                                                         |
|-----------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|
| <b>3×</b><br>faster job processing via Go microservices & Redis | <b>40%</b><br>faster PostgreSQL queries (indexing & pooling) | <b>30%</b><br>increase in team velocity via process & mentoring | <b>9+ yrs</b><br>shipping production systems end-to-end |
|-----------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|

## CORE SKILLS

|                  |                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Languages        | Go, Python, JavaScript / TypeScript, C++, SQL, Java                                                                                    |
| Backend          | Microservices, gRPC, REST, FastAPI, NestJS, Django, Celery, OAuth2 / JWT, DDD, Clean Architecture                                      |
| Data & Messaging | PostgreSQL, MongoDB, Redis, RabbitMQ, WebSockets, Centrifugo, event-driven pipelines                                                   |
| Frontend         | React, Next.js, Micro-frontends, Turborepo                                                                                             |
| DevOps           | Docker, Kubernetes, CI/CD (Jenkins / Git workflows), Linux, Git, release engineering                                                   |
| AI / Science     | LLM training & evaluation (OpenAI, Anthropic, Gemini), cybersecurity AI, NumPy / SciPy / Pandas, numerical modeling, signal processing |

## PROFESSIONAL EXPERIENCE

Senior Software Engineer (Contract) Jan 2026 – Present

Mercor · Remote · AI training for Anthropic & Google Gemini

- Train and evaluate frontier AI models for **Anthropic** with a focus on **cybersecurity** capabilities, safety, and real-world adversarial scenarios.
- Contribute AI training / evaluation work for **Google Gemini**, improving model quality on complex technical and domain-specific tasks.
- Design high-signal training data, rubrics, and feedback loops; apply backend engineering practices (**FastAPI, NestJS**) where tooling and workflows require it.

Senior Software Engineer Oct 2025 – Jan 2026

Sepal AI · Remote · AI training for OpenAI

- Trained and evaluated advanced AI models for **OpenAI**, improving response quality, reasoning, and task performance on expert-level software and technical problems.
- Produced structured training signals, critiques, and preference data used to steer model behavior toward correctness, clarity, and safety.
- Collaborated remotely with AI research / ops workflows; applied strong engineering judgment to ambiguous, high-impact model evaluation tasks.

Principal Software Engineer & Software Architect

Feb 2022 – Feb 2026

Experiential Life Center (Tajrobeh Health & Lifestyle Ecosystem) · Tehran, Iran (Hybrid) · [tajrobeh.life](#)

- Led architecture and delivery of a **microservice platform in Go** with **gRPC, RabbitMQ, and Redis**, improving job-processing speed by **3x**.
- Designed scalable services for healthcare and lifestyle workloads; partnered with CEO, product, and design on technical roadmaps.
- Built a modular **micro-frontend** platform (Next.js / Turborepo) enabling independent deployment and clearer ownership.
- Improved **PostgreSQL** performance by **40%** via indexing strategy, connection pooling, and query/workload optimization.
- Delivered a real-time ticketing / event system with **Go + Centrifugo + MongoDB**.
- Introduced **DDD and clean architecture**; established code-review culture; mentored backend engineers.
- As engineering lead/manager track: raised team velocity by **~30%** through Agile process improvements, feedback loops, and cross-team communication.
- Owned CI/CD and reproducible delivery practices for analytical and product codebases (Docker, Kubernetes, Linux).

Senior Software Engineer

Sep 2023 – Feb 2024

Eskano Group · Full-time

- Delivered full-stack features with **React.js** and **Django** for production business applications.
- Improved API and UI delivery quality through structured development practices and collaboration with product stakeholders.
- Worked across backend data models, REST APIs, and responsive frontend interfaces.

Full-Stack Developer (Lead Role)

Jun 2016 – Sep 2021

Freelance & Client Projects · Remote / Gorgan, Iran

- Delivered end-to-end **multi-tenant SaaS** platforms for healthtech and enterprise clients (Django + React).
- Designed async workflows with **Celery + RabbitMQ**; built secure auth with **JWT / OAuth2**.
- Implemented WebSocket real-time features, REST APIs, automated test pipelines, and PostgreSQL / NoSQL architectures.
- Owned projects from requirements through deployment; consistently translated stakeholder needs into shipped products.

Computational Physics Researcher

Sep 2019 – Sep 2022

Golestan University · Gorgan, Iran

- Modeled cosmic gravitational-wave spectra under space-time non-commutativity; numerical simulation in **Python / C++**.
- Applied statistical inference, signal processing, scientific visualization, and HPC-oriented performance thinking.
- Built reproducible scientific computing workflows bridging theory, simulation, and data analysis.

EDUCATION

M.Sc. Gravity & Cosmology

2019 – 2022

Golestan University · GPA 3.3 / 4.0 · EQF Level 7 · 97.5 ECTS

Thesis: *The Effect of Space-Time Non-Commutativity on the Spectrum of Cosmic Gravitational Waves* (computational cosmology / gravitational waves)

B.Sc. Physics

2014 – 2019

Isfahan University of Technology (IUT) · EQF Level 6

LANGUAGES · TARGET ROLES · WORK AUTHORIZATION

**Languages:** Persian (Native) · English (Professional working — B2 speaking/writing, C1 reading)

**Target roles:** Lead / Senior / Staff Backend Engineer · Software Architect · Engineering Lead · Scientific Software Engineer

**Authorization:** Iranian passport holder · Requires employer-sponsored work visa / relocation support

**Availability:** Immediate · Remote-first or hybrid · Willing to relocate internationally

References and portfolio available on request · Portfolio: <https://buildwithalireza.ir/>