Mohammad Mahdi Afshar

Senior Software Developer

me@mamad.dev | +98 935 9310 395 | Tehran, Iran
linkedin.com/in/reloadlife | github.com/reloadlife | mamad.dev

Summary

I am Mohammad Mahdi Afshar, a senior software developer. Since the second quarter of 2026 I have been founding Pixevel, on pixevel.com and pixevel.chat. A remote tech lead role in London began in May 2025 and is completed; its end date is not published.

Skills

Backend: Golang, TypeScript, Python, PHP, Lua, Fiber, Gin, Django, REST, WebSockets, Microservices, Unit tests
Frontend: React, Next.js, SvelteKit, SwiftUI, Flutter, Tailwind CSS
Databases: PostgreSQL, MySQL, MongoDB, Redis, CouchDB, ClickHouse, Qdrant
DevOps: Docker, Kubernetes, GCP/GKE, CI/CD, Linux, Proxmox, ESXi
Other: Agile - Scrum

Experience

Founder, Pixevel

Q2 2026 - Present

- Building pixevel.com and pixevel.chat.

Tech Lead, [Redacted]

London (Remote) | May 2025 - Completed

- Completed. Work remains under NDA. End date is not published.

Career break, Self-directed learning

May 2024 - May 2025

- Took a year to explore new technologies, work on personal projects, and attempt launching a startup.

Senior Golang-Blockchain Developer, Coin Paprika

Poland (Remote) | Part-time | Nov 2023 - May 2024

- Architected data collection in Go for EVM and non-EVM networks.
- Built ClickHouse storage for analytics on large transaction sets, including real-time queries over terabytes of data with sub-second response times.
- Developed DEX integrations with standardized APIs, maintaining 99.9% uptime.
- Built fault-tolerant microservices with error handling and recovery so collection continued through network volatility.

Senior Software Developer, Coretrix

Bulgaria (Remote) | Part-time | May 2023 - May 2024

- Deployed single-page landing pages in HTML, CSS, and JavaScript on platforms such as Zoho for partners including OOKA, Coinpaprika, and Digikala.
- Built them with an in-house ORM (beeorm.io) and web server (github.com/coretrix/hitrix).

Lead Backend Developer, Kheradmen

Tehran, Iran | Full-time | May 2023 - Mar 2024

- Implemented Qdrant and PgVector for retrieval-augmented generation in legal AI, including Robovakil.
- Designed SSO with OpenID for partner platforms and internal projects.
- Built an edge-model system that reduced inference latency by 40%.
- Developed a chatbot framework with APIs for domain-specific assistants connected to vector databases.

Lead Frontend Developer, Kheradmen

Tehran, Iran | Full-time | Apr 2021 - May 2023

- Led frontend for the Robovakil chatbot, including the admin dashboard and sign-in, in TypeScript.
- Led CareStyle's cross-platform web and mobile apps, with shared business logic and platform-specific interfaces.
- Shipped real-time updates, offline use, and adaptive layouts.
- Managed a team of 5 developers and set standards and component libraries that accelerated development by 35%.

Python Developer, Kheradmen

Tehran, Iran | Full-time | Mar 2020 - Apr 2021

- Built a data-collection platform for AI training, with configurable scripts, automated validation, and metadata enrichment.
- Created parameterized workflows so non-technical people could define data requirements, accelerating dataset creation by 60%.
- Added checks that flagged anomalies and bias in collected datasets.
- Built ETL pipelines that normalized sources for the machine-learning setup.

Backend Developer, Tamasack

Karaj, Iran | Part-time | 2019 - 2021

- Built a VoIP integration connecting Cisco infrastructure with custom call management, including routing, recording, and analytics.
- Developed a user hub for authentication, permissions, and resource access across internal applications, improving operational efficiency by 25%.
- Moved legacy systems to Docker and Kubernetes, reducing deployment times by 70%.
- Built Laravel and PHP APIs between those systems and kept backward compatibility.
- Set up deployment pipelines that shortened release cycles from days to hours.

Frontend Developer & UI Designer, SquidTech

Toronto, Canada | 2017 - 2019

- Built a kitchen-countertop visualization tool in Three.js, with 2D layouts and stone-texture previews.
- Wrote a cutting algorithm that reduced material waste by approximately 15%.
- Built invoice generation that turned designs into quotes and final invoices.
- Built the React site and product catalogs, which increased mobile conversions by 30%.

Technical Operations Assistant, Azardata

Tabriz, Iran | Part-time | 2016 - Present

- The role has run alongside other work since 2016.
- Configured and maintained KVM, Proxmox, and ESXi while the customer base grew by 200%.
- Managed cPanel and DirectAdmin, which streamlined onboarding and reduced support tickets by approximately 30%.
- Deployed Docker and Kubernetes for hosted applications.
- Set up monitoring and failover that maintained 99.9% uptime for critical client services.
- Worked with the development team on custom hosting for enterprise clients.

Education

Master's in Computer Science, focusing on AI Engineering - in progress

- Institution and dates are unspecified.

B.A. English Language Studies

Islamic Azad University | Karaj, Iran | 2014 - 2018

- GPA: 17.3/20.
- Focused on language acquisition and linguistics.
- Conducted research on cross-cultural communication methodologies.

EFL Teaching Certification

Nassir Language Institute | Karaj, Iran | 2016

- Graduated 2nd in class.
- Training covered language teaching methodologies.
- Developed a curriculum for technical English instruction.

Diploma in Mathematics & Physics

Shahid Rajaee High School | Karaj, Iran | 2010 - 2014

- GPA: 18.9/20.
- Participated in regional mathematics competitions.

Projects

Kubernetes Telegram Bot

2025 | github.com/reloadlife/kbot

Tools: Go, Kubernetes, Telegram API, CRDs

- Provides RBAC-controlled access to Kubernetes cluster operations from Telegram. Permissions are stored as CRDs.
- Access can be limited by namespace, resource, verb, and label selectors, in private chats and in groups.
- Includes a command menu, bootstrap admins, and selector enforcement.
- Ships as a single binary, a Docker image, and Kubernetes manifests. Permission records are version-controlled resources.

AI Website Builder

2025 | builder.inja.online

Tools: SvelteKit, Cerebras API, Tailwind CSS

- Turns natural language into code, at 2000+ tokens/second, with clean HTML output.
- Real-time preview in a chat interface, a mobile-first layout, and instant deployment.

Bargheman Bot

2025 | github.com/reloadlife/bargheman

Tools: Go, ICS, Tailwind CSS

- HTTP server that serves subscribable ICS feeds for electricity blackout schedules in Iran.
- Web interface built with Tailwind CSS.

Meshcat Pharmaceutical Company

2023

Tools: Next.js 14, shadcn/ui, Tailwind CSS

- Mobile app for pharmaceutical data collection between field representatives and management.
- The interface reduced data entry time by 40%.
- A multi-stage approval step let executives authorize drugstore orders before fulfillment, reducing shipping errors by 35%.
- Representatives could keep working through intermittent connectivity, with data synchronized afterward.

K.A.A. CRM

2022

Tools: Next.js, PostgreSQL, shadcn/ui, Tailwind CSS

- CRM for an import/export company.
- Role-based access separated accounting, sales, and logistics.
- XLSX import and export, with validation, for moving legacy data.
- Reporting dashboards reduced decision-making time by 50%.

Chartmind Neurashi

2022 | chartmind.neurashi.com

Tools: Next.js, financial data APIs

- Financial chatbot that combines natural language with price charts.
- Custom rendering for real-time charts, integrations with financial data providers, and layouts for mobile and desktop.

Gapogeram

2020

Tools: Telegram Bot API

- Anonymous matching and chat on Telegram, similar to a dating match product, built so identity stayed private.
- Matching used conversational preferences. Message routing was built to avoid leaking metadata.
- Moderation and reporting stayed in place without dropping anonymity.

AntiSpamCR

2018

Tools: Telegram Bot API, Python, machine learning

- Let people create and customize their own Telegram moderation bots.
- Content filtering reached 97% accuracy on spam in very large group chats.
- Administrators without a programming background could edit rule sets.
- The service ran many bot instances at once.

Certification

IELTS Academic

April 2017 | Overall score: 7.5

Languages

Persian (Native), English (Fluent)

Hobbies

Music, Gaming, Traveling