



Amin Esmkhani

Senior Software Engineer

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Skills

HARD SKILLS

Backend

PHP, Go, Laravel, REST APIs

Web3 & Blockchain

Smart Contract Interaction, Web3 Integration, Transaction Signing, Hedera Network, Gas Optimization

Frontend & UX

Chrome Extensions, Flutter, UI/UX Design Principles, DOM Manipulation

AI & Automation

AI API Integration, Content Automation, SEO Pipelines, Monitoring Systems

Infrastructure & Architecture

High-Traffic Systems, Maintainable Architectures, SDLC

Dev Ops

docker, ci/cd, github action, prometheus, linux-operation

Data Base

mysql, redis, postgresql, sqlite

Tools

git, postman, gitflow, figma, mcp-servers

SOFT SKILLS

Soft

End-to-end ownership, Analytical problem-solving, Product-oriented mindset, Clear technical communication, Independent execution Ability to translate business needs into technical solutions

Education

Islamic Azad University

M.Sc. in Software Engineering
Iran - Urmia • 2020 - 2022

<https://urmia.iau.ir>

Islamic Azad University

B.Sc. in Software Engineering
Iran - Urmia • 2015-2019

<https://urmia.iau.ir>

Languages

English

Turkish

Certifications

CS50 Cambridge

March 2024
Computer Science

Harvard University's CS50x is

[View](#)

Profiles

Github
[aminesmkhani](https://github.com/aminesmkhani)

Linkedin
[Amin Esmkhani](#)

Youtube
[amin](#)

Summary

Senior Software Engineer specializing in Backend, Web3, and Distributed Systems. Experienced in architecting scalable, high-traffic systems, optimizing Redis-based workloads, and delivering AI-powered products and Chrome Extensions with full end-to-end ownership.

Experience

Independent (Freelancer)

Senior Software Engineer

Remote

May 2025 - Current

- Delivered production-grade backend, Web3, and AI-powered products including browser extensions and automation platforms.
- Built scalable systems using PHP, Go, Node.js, Laravel, Redis, and PostgreSQL.
- Focused on performance optimization, maintainable architecture, and secure blockchain interactions.
- Owned full SDLC from system design to deployment and monitoring.

<https://esmkhani.dev>

Teleads

Senior Software Engineer

Remote

February 2024 – May 2025

- Designed and implemented a **high-performance ad-serving platform** with full end-to-end ownership.
- Architected a **Redis-centric system** capable of handling **3M+ database requests**, managed via **Lua scripting**.
- Improved data storage and synchronization efficiency by **11%**.
- Developed PHP and Lua scripts to synchronize data between Redis and persistent databases.
- Built backend services, user dashboards, and overall system architecture from scratch

<https://teleads.me>

IAssets

Senior Software Engineer

Remote | Canada

December 2021 – May 2023

- Developed **20+ backend and Web3 modules** using Node.js, PHP, and Laravel.
- Integrated blockchain transaction signing and message validation workflows.
- Worked directly with the **Hedera Web3 Network**.
- Designed and implemented a **heuristic trending algorithm**, improving trend accuracy by **60%**.
- Collaborated with engineers to improve software and hardware interface reliability.

<https://iassets.org/>

Ibird

Software Tech Lead

- Led a **6-person engineering team** developing Web3 software handling assets valued between **\$80K–\$200K**.
- Designed core logic for a **Web3 social media platform** supporting **30K+ users**.
- Improved Web3 data synchronization accuracy by **75%**.
- Authored production code fixes and enhancements for future releases.
- Developed scalable Node.js and PHP scripts and led QA efforts.

<https://ibird.io>

AsanSeminar

Software Engineer

Iran - Urmia

2019 November - 2021 -December

- Cordinate cross-functionally with the software engineering and product management teams to redesign web application in React - NextJs for a webinar platform, contributing to over +40k new customer in a six-month period
- Oversee a team of 9 software developers and engineers, develop base frameworks using **PHP, JavaScript, and perform code reviews**
- Create a new system for the continuous integration of newly developed scripts to improve efficiency and deployment speeds by 20%.

<https://asanseminar.ir/>

Additional Experience

1#

- **Mobile App:** Flutter application for downloading TikTok videos (backend in Go).
- **Telegram Bot:** Go-based bot for downloading content from social networks.

Projects

Agentito

- Designed and engineered an **AI-powered SEO content automation system**.
- Accepts SEO briefs, generates optimized content using modern AI models, and **auto-publishes to WordPress**.
- Implemented **subscription & payment systems**, monitoring, and error handling.
- Built a scalable, maintainable architecture for future AI integrations.

[More Info for this project Here](#)

WebSite

Packman

- Rewrote a **legacy industrial system** with a new scalable and maintainable architecture.
- Designed clean, role-based UX/UI for operators and managers.
- Implemented advanced reporting, customizable outputs, and RBAC.
- Significantly improved operational transparency and decision-making.

[More Info for this project Here](#)

WebSite

I Asset Market

- Built the backend and Web3 integration layer connecting frontend to smart contracts.
- Implemented secure transaction handling and blockchain interactions.
- Achieved **up to 99% gas fee reduction** through optimized architecture.

[More Info for this project Here](#)

DF YouTube Pro

June 2025 - Present

- Built and launched a **YouTube time-management & distraction-free browsing tool**.
- Implemented usage tracking, daily and weekly limits, override modes, and advanced UI.
- Removed distractions such as comments, Shorts, and recommendations.
- **Launched on Chrome Web Store and Product Hunt**.

[More Info for this project Here](#)

Chrome Store

Amazon Sponsored Product Suppressor

January 2025 - Present

- Developed a Chrome extension to remove **Sponsored Products** from Amazon search results.
- Supports multiple regional Amazon domains (US, CA, UK, EU, JP, etc.).
- Implemented DOM analysis, ad detection, and one-click removal.

[More Info for this project Here](#)

Chrome Store