

Milad | Your Multi-Hat Full-Stack Software Engineer

Professional summary

Results-driven Fullstack Blockchain Engineer with over a decade of experience in software development and cybersecurity. Proven success in optimizing performance, reducing costs, and securing platforms, including locking \$4 million in smart contracts and cutting cloud expenses by 70%. Leading 2 projects from inception to market, integrating third-party APIs, and enhancing user experience with a focus on impactful solutions and efficient technology.

Contact Information

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Tagline: Your Trusted Tech Expert - Delegate all your Software needs to me.

Skills:

- **Infrastructure/Cloud Architecture:** Amazon Web Services, Linux
- **Web Development:** HTML/CSS/JavaScript/React.js, Next.js
- **Scripting, Backend/Server Programming:** Python, Node.js, TypeScript, Familiarity with Rust and Go
- **dApp/ Web3 Smart Contracts:** DeFi, Ethereum, Solidity, Hardhat, Foundry, Ethers.js
- **Virtualization:** Docker, Terraform
- **DevOps/CICD:** GitHub Actions, Continuous Integrity and Continuous Deployment
- **Cryptography:** Implemented synchronous encryption to secure data.

Career Goal

I am seeking an opportunity to join a supportive and empowering team where I can continue to grow and add value through my expertise in software engineering. My goal is to contribute to innovative projects and help create efficient, secure, and scalable solutions.

Education

- **Master of Science in Information Security - 2017**
- **Bachelor's degree in Software Engineering - 2012**

Work Experience

Decentralized Finance - Web3

Vent Finance, Remote/Spain - Fullstack Blockchain Engineer

May 2023 – June 2024

- Cut monthly infrastructure expenses by 60% on AWS through strategic optimization.
- Integrated third-party APIs, enhancing platform capabilities.
- Established a fully automated CI/CD pipeline, streamlining deployments and freeing the dev team from manual tasks.
- Improved the front-end performance by 40% utilizing React built-in caching and query management.
- Built an automatic scoring system based on on-chain data to streamline operations scalability.

Vent Finance, Remote/Spain - Smart contract Developer

Nov 2021 – May 2023

- Locked \$4 million TVL in smart contracts: Demonstrated significant trust and value in the platform.
- Decreased Ethereum Whitelisting costs by 99% using batching and zero-knowledge proofs.
- Spearheaded blockchain solution development and maintenance for a crowdfunding platform, ensuring optimal performance and security.
- Achieved a security audit score of 8.9 out of 10 with Hacken Security Audit.
- Designed and Engineered blockchain protocols and smart contracts building the foundations of a scoring system.
- Employed Agile methodology using tools like Jira and ClickUp for daily meetings and project tracking.
- Created a scalable whitelisting mechanism with Zero-knowledge proof, significantly reducing onboarding costs.
- All the smart contracts I implemented had at least 95% test coverage following the industry best practices on security.

Entertainment - Gaming

Revision, Remote/Iran - Lead Software Engineer

Feb 2020 - Jul 2021

- Enhanced user experience by stabilizing and optimizing the API for a multiplayer gaming platform.
- Reduced CPU usage by 90% through code refactoring and asynchronous programming techniques.
- Scaled bi-directional communication capacity by 10X without hardware modifications.
- Improved crash-free user rate to 92% from 65% by utilizing defensive programming.
- Cut CPU time for SQL queries by 60% by optimizing query structure.
- Optimized cloud resource usage, reducing costs by 50%.
- Implemented a disaster recovery plan with Postgres Streaming Replication, improving data resilience.
- Conducted a white-box Security audit, resolving 2 critical vulnerabilities (sensitive information leakage) on publicly accessible API endpoints.

- Set up a cheat detection mechanism by analyzing application logs using SPLUNK.
- Hardened the Server by setting up Firewalls to improve network and application security.

Cybersecurity

BugDasht, Remote/Iran - Lead Software Engineer

Feb 2019 - Sep 2019

- **Delivered BugDasht's MVP in under 8 months**, ensuring market readiness with robust security.
- **Prevented potential financial losses** by discovering a critical security flaw in the business flow.
- Implemented cryptographic solutions for **highly secure data management**.
- Led the project from initiation to market readiness, collaborating with external security researchers for platform robustness.

MCI, On-Site/Iran - Software Security Analyst

Nov 2017 - Jul 2019

- Analyzed Software vulnerabilities and generated advisory reports to increase security awareness of the organization employees.
- Wrote a Python script that saved ~3 hours of manual work per day, improving task accuracy.
- Participated in the CEH v7 course and practiced with vulnerable software and Metasploit for hands-on security experience.

Banking, Tour & Travel Agency

Enterprise Companies, On-Site/Iran - FullStack Developer

Apr 2011 - Sep 2017

- Maintained legacy systems and developed new APIs to improve user experience.
- Improved user experience by integrating modern interfaces like Telegram Bots.
- Worked with a large team on a substantial code base, developing and integrating new APIs.

Personal Interests

I enjoy spending time with my loved ones; taking long walks; listening to classic and deep house music; playing video games with strong storylines, such as Metal Gear: Solid Snake; and cooperative games like COD: Mobile.