

Aly Mohamadi

FRONT-END ENGINEER · BLOCKCHAIN INTEGRATION - DAPP - DEFI

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“Developing for a better web.”

Education

K. N. Toosi University of Technology

BACHELOR OF ENGINEERING - AEROSPACE ENGINEERING

- Member of the Aerospace Scientific Association
- Editor-in-Chief at ASPAD aerospace magazine
- Member of the water rocketry club
- Organizer of national Solidworks competition

Tehran, Iran

Sep. 2016 - Feb. 2020

University of Tehran

MASTER OF ENGINEERING - SPACE ENGINEERING

Tehran, Iran

Sep. 2020 - Sep 2022

Skills

Programming Languages	JavaScript, TypeScript, Python, (HTML, CSS)
Libraries And Frameworks	Reactjs, Nextjs, MUI, Tailwindcss, ChakraUI, Mantine, DaisyUI, (Framer Motion)
State Management	React Query, Zustand, Redux, Apollo Client
Blockchain Integration	Viem, WAGMI, Ethers.js, Web3.js, Hardhat, Tenderly, Chain Fork(private testnet)
Languages	Persian, English

Experience

Spila

Remote - UAE, Dubai

FRONT-END ENGINEER

June 2022 - Present

- As a co-founder of Spila, I've played a pivotal role in driving our innovative application pipeline. Here, ideas seamlessly evolve into meticulously crafted plans, ultimately resulting in exceptional products. Our mission is to deliver excellence with unmatched efficiency, ensuring that client's ideas materialize swiftly and impeccably.
- Additionally, I've had the privilege of leading multiple frontend teams across various projects, ensuring the successful delivery of high-performing products characterized by top-notch code quality.

ITHIL

Remote - London, United Kingdom

FRONT-END TEAM LEAD

March 2023 - Oct 2023

- In this contract with Ithil, we (as a team at Spila) successfully delivered two significant products. The first product involved the frontend and blockchain integration of Wizardex, a fully on-chain decentralized exchange platform that operates without any backend, offering users a seamless and trustless trading experience. The second product focused on the frontend and blockchain integration of Ithil Protocol, a groundbreaking financial interoperability layer designed to connect the entire web3 ecosystem, enabling new value creation through crowd lending.
- In my role as the team lead, I had the privilege of guiding a team comprising 4 to 5 developers. Our primary objective was to meet designated milestones while adhering to a strategy that prioritized speed without compromising the quality of our code. To achieve this, we leveraged cutting-edge technologies, including the latest versions of Next.js, TypeScript, MUI, and Chakra-UI for frontend development, and Ether.js, Viem, and Wagmi-Hook for seamless blockchain integration. This collaborative effort resulted in the successful delivery of both products, contributing significantly to the growth and success of these projects.
- Furthermore, I also took the initiative to deploy contracts on a fork of Arbitrum as a testnet. This strategic decision allowed us to maintain full control over the testing environment, granting us the freedom to conduct extensive testing without the constraints of test tokens and other limitations. This hands-on approach to testing further enhanced the reliability and robustness of our blockchain solutions, ensuring they met the highest standards of quality and performance.

Blocklogica

Remote - Italy

FRONT-END DEVELOPER

Dec 2022 - Sep 2023

- I led frontend development for a dynamic blockchain landing page at Blocklogica, Italy. Using Next.js and Framer Motion, I incorporated engaging animations like scrolling pagination.
- A significant challenge arose as the client required frequent data updates on the site. To address this, we used TinaCMS, a git-based static CMS. This choice not only facilitated seamless content management but also made data accessible directly from GitHub, ensuring efficient and dynamic updates to meet the client's evolving needs.

DDD (DeDogmaDao)

Remote - Switzerland

FRONTEND DEVELOPER

Feb 2022 - Nov 2022

- In DDD, I had the opportunity to contribute to a blockchain economic interface featuring a Mint NFT section and a daily lottery feature. These components presented intriguing challenges that required innovative solutions. While currently unavailable in the production environment, you can explore them within the development branch of this Next.js application, which offers a decentralized economic solution built on the Ethereum platform. Users can mint NFTs, participate in lottery games, and more. It's worth noting that I served as the sole frontend developer on DedogmaDAO's dedicated technical team. the auction part doesn't work correctly right now as the rpc server is down but you can explore them here: <https://demmortaltreasure.vercel.app/gameboard> <https://demmortaltreasure.vercel.app/auction>

Freelance

Remote

JAVASCRIPT DEVELOPER

Sep 2019 - Feb 2022

- As a freelance frontend developer, I engaged in a multitude of projects, tackling various issues along the way. With a dedicated commitment to enhancing my skills, I prioritized honing my frontend expertise and mastering JavaScript. This journey was marked by continuous improvement and a relentless pursuit of excellence in web development.

AbzarMart

Tehran, Iran

FRONT END DEVELOPER - INTERNSHIP

Apr 2019 - Sep 2019

- During my internship at Abzarmart, an online tools shop, I gained valuable experience working on diverse projects encompassing blogs and e-commerce websites. This role provided me with hands-on exposure to a range of technologies, including HTML, CSS, JavaScript, and WordPress.

Freelance

Remote

JOOMLA DEVELOPER

Jun 2012 - Jan 2019

- During my extensive tenure as a Joomla developer spanning 7 years, I had the privilege of working on a wide array of projects. These ranged from news websites and online shops to media download platforms, subscription services, and community engagement platforms. This rich experience enabled me to navigate diverse challenges and later expand my expertise in frontend development.

Extracurricular Activity

ASPAD Scientific Magazine

Tehran, Iran

EDITOR IN CHIEF

Oct 2018 - Apr 2021

- I had the privilege of serving as both the Editor-in-Chief and an author for two esteemed publications. This role allowed me to combine my passion for technology with strong editorial skills, leading a team of 20 writers while actively contributing insightful content. It was an enriching experience that enhanced my leadership abilities and deepened my commitment to both the community and the convergence of technology and innovation.

National Solidworks competition

Tehran, Iran

MAIN ORGANIZER

Jan 2018

- With the invaluable support of other members of the Aerospace Scientific Association, I had the honor of founding the annual National Solidworks Competition, welcoming academic students from across the nation. This initiative marked the inception of this prestigious event at KNTU and allowed me to play a pivotal role in its establishment and growth.

Aerospace Scientific Association

Tehran, Iran

CORE MEMBER

Oct 2018 - Oct 2019

- As a core member of the Aerospace Scientific Association, I actively engaged in volunteer initiatives within the university. This involvement included founding both the ASPAD magazine and the National Solidworks Competition, organizing educational courses for engineering software, and participating in a range of other activities that promoted academic excellence and community growth.