

# Alex Yamada

Full Stack Web3 AI Dev

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## Summary

Computer Science Master's Candidate Specializing in Research and Development within the Blockchain Ecosystem  
My focus encompasses leading technologies such as Bitcoin, Ethereum Virtual Machine, Solana, Aptos, and Sui. With a passion for technology that began in my youth, I have actively contributed to the development of various decentralized applications (DApps), including NFTs, DeFi platforms, and Play-to-Earn (P2E) games. Currently, my efforts are directed towards the innovation in trading bot development, specifically in areas like copy-trading, volume-bot, bundler-bot, and arbitrage-bot solutions. I am also deeply engaged in pioneering projects at the intersection of AI and blockchain, particularly in the creation of AI Agents for meme coin launches. I possess robust business communication skills in English and have accumulated substantial experience in remote working environments, ensuring effective collaboration and project management across diverse teams.

## Skills

- **Languages**  
Solidity, Rust, MOVE, Go, JavaScript/TypeScript, Node.js, C/C++/C#, SQL, PHP, HTML, TailWindCSS, SCSS, LESS
- **Frameworks**  
Truffle, Laravel, Express, Redux/Next, Vuex/Nuxt
- **Libraries/APIs**  
Web3.js, SPL, Moralis, Figma, REST APIs, jQuery, Socket.IO, GraphQL
- **Platforms**  
Blockchain, Ethereum, Linux, Docker, AWS
- **Storage**  
MySQL, BigchainDB, Redis, Memcached, MongoDB
- **Other**  
Dapps, Smart Contracts, Cryptocurrency, Ethereum Smart Contracts, Cosmos SDK, Blockchain Architecture, Wallets, ERC20, ERC721, ERC1155, ERC4337, Solana, Metaplex, Anchor, CandyMachine, IPFS, Arweave, Data Structure, Algorithm

## Experience

*TizzHive, United States—Bitcoin Defi Dev*

Aug. 2024 - Nov. 2024

[www.tizz.finance](http://www.tizz.finance)

- **Enhancing Bitcoin's Capabilities with Spiderchain EVM:** Pioneering the integration of a decentralized, Ethereum Virtual Machine (EVM) equivalent layer directly on the Bitcoin blockchain, leveraging the security and decentralization of Bitcoin with the functionality of EVM.
- **Porting Major dApps to the Bitcoin Ecosystem:** Dedicating professional time to seamlessly adapt and implement significant decentralized applications (dApps) to operate within the Bitcoin network, thereby expanding its utility and fostering broader adoption.
- **Collaboration with Botanix to Develop TizzHive:** Actively participating, with substantial support from Botanix, in the creation of TizzHive, a social trading platform designed to enhance community interaction through team trading competitions and engaging utility puzzles that offer rewards in points and NFTs.
- **Smart Contract Development and Backend Engineering:** Focusing on the development of smart contracts and robust backend systems to enable users to engage in leveraged trading and earn real yield on Bitcoin and stablecoins, providing innovative financial tools within the blockchain space.

### *ChainSwap, Croatia—Lead Solana Developer*

Mar. 2024 - Jul. 2024

[chainswap.tech](https://chainswap.tech)

- **Leadership in Solana Development for Cross-Chain Integration:** Spearheaded the Solana development team in the successful integration of the Cross Chain Transfer Protocol (CCTP), including seamless implementation of the Jupiter aggregator, enhancing interoperability and user experience.
- **Implementation of Chainlink CCIP for Multi-Chain DEX:** Leveraged Chainlink's Cross-Chain Interoperability Protocol (CCIP) to develop ChainSwap, a user-friendly, multi-chain decentralized exchange (DEX) that facilitates secure and efficient cross-chain transactions.
- **Multi-Chain Expansion and Intra-Chain Swap Support:** Achieved integration of over eight blockchain networks, enabling both intra-chain swaps and multi-chain DEX functionality, thereby delivering a versatile and robust trading ecosystem.

### *Blocksmith Labs, Remote—Solana Web3 Dev*

Jul. 2023 - Nov. 2023

[blocksmithlabs.io](https://blocksmithlabs.io)

- As a Solana Web3 Developer at Blocksmith Labs, I contributed to the development of innovative solutions addressing key challenges in the NFT ecosystem, including project discovery, curation, and information dissemination through platforms like Atlas3 and Mercury.
- Played a pivotal role in creating dynamic art generation capabilities with SHIFT and enhancing community engagement via gamified marketing through Raven, all while ensuring high-quality standards synonymous with the Blocksmith Labs brand.
- My work helped facilitate seamless user experiences and robust project launches in the rapidly evolving Web3 landscape.

### *Moduluc, United States— Solana Developer*

Nov. 2022 - May. 2023

[moduluc.com](https://moduluc.com)

- Led the integration of blockchain technology and Web3 protocols into Moduluc's web applications, enabling secure and transparent decentralized interactions.
- Developed the frontend for enterprise websites, such as <https://moduluc.com>, <https://airia.xyz>, and <https://aus.airia.xyz>
- Guided the AiriA collection to an impressive cumulative volume of 16.4K SOL (approximately 600K USD) on Magic Eden
- Orchestrated an extraordinary expansion of the user base from 50K to an astounding 200M.n.

### *Walden, United States— Solana Smart Contract Dev*

May. 2022 - Sep. 2022

[whaleden.com](https://whaleden.com)

- Fascinated by Solana, Near blockchains and NFT fields and dive into development of NFT projects like NFT minting, staking, evolution, breeding, voting, vesting, NFT marketplace, ICO / IDO.
- Participated to audit several smart contracts mostly related with NFT aspect.

### *Visor Finance, United States—Ethereum Dev*

Dec. 2021 - Mar. 2022

- Designed and deployed smart contracts for tokens and ICOs including token vesting, staking, refund vaults, and multi-signature wallets.
- Built DEX Platform with Vue/Nuxt frontend & Smart Contract based ERC721, ERC1155, ERC20 standards with Solidity on ETH.
- Forked and customized Olympus DAO on ETH & Fantom and performed Smart Contract security audits.

### *Smooth Team, United States—Software Engineer*

May. 2017 - Sep. 2018

- Developed the core product (online auctions) using two-way real-time communication with a Firebase database.
- Engineered a real-time monitoring system using Node.js that tracked auction end times, updating client interfaces instantly; reduced manual refresh requirements by 80%, saving the team approximately 15 hours weekly.
- Designed architecture and developed a fast, reliable and scalable REST API for a cloud based recruitment and workforce management system.
- Introduced advanced resource planning features that take into consideration employee availability and a flexible platform for generating and maintaining user shifts.

## Education

Tokyo University of Science, Shinjuku, Japan - Bachelor of Computer Science. Mar. 2011 - Aug. 2015

## Projects

### *Tizz Trading - Aug. 2024 - Nov. 2024 as Full Stack, Blockchain Developer*

[tizz.gg/devnet](https://tizz.gg/devnet)

TizzHive is one *kind* of Leveraged trading platform. It supports on botanix and mezo testnet using Supra Oracle. Team trading experience is an innovative attraction of this trading platform.

I mainly worked on backend side, including SC integration, sdk building, prediction automation bot as well. Constructed scalable backend solutions managing up to 500 simultaneous transactions per minute across diverse blockchain networks; findings contributed directly towards resolving three major performance bottlenecks identified during testing phases.

### *Saint AI Agent AI Agent Engineer / Builder*

Dec. 2024 - Feb. 2025

[satoshiaiaagent.com](https://satoshiaiaagent.com)

The \$SAINT project is an AI-driven blockchain intelligence platform that simplifies complex blockchain data into actionable insights. It utilizes advanced machine learning algorithms and deep learning to provide real-time tracking, comprehensive analytics, and robust tools for users to make informed decisions within the blockchain ecosystem.

The project's mission is to empower users with a comprehensive platform that makes complex data accessible and understandable for everyone in the crypto space.

Worked on the AI Agent part using Olalla and integrated Backend system.

### *ChainSwap App - Mar. 2024 - Oct. 2024 as Solana Lead Developer*

[app.chainswap.tech](https://app.chainswap.tech)

ChainSwap is a transformative platform designed to enhance interoperability in the Web3 ecosystem by enabling seamless, secure asset swaps across multiple blockchains.

I led solana development team to implement Intra-Chain swap and CCTP integration.

### *Dex Trading Bot - Aug. 2024 - Jan. 2025 as Bot Developer*

Published various kind of bots against Uniswap & Solana Dexs - Raydium, Meteora, Pumpfun, etc.

Built CLI, Telegram & Discord bot in Typescript or Rust.

I've experienced Snipping, Volume, CopyTrading, Jiao Bundling, Pumpfun Bot, Juipter Aggregator, AMM Routing, Arbitrage, Sandwich Bots.

### *BlazeSwap - Apr. 2024 - Oct. 2024 as Rust Smart Contract Developer*

[blaze-swap.vercel.app](https://blaze-swap.vercel.app)

Participated in building Dex Smart Contract with CosmWasm on Xion Network. Also integrated Solana Swap & Bridget too.

I built and deploy main Dex contract on Xion testnet and integrated with wormhole for Solana Bridge.

### *Dramsky - Jul. 2023- Sep. 2024 as Project Lead*

[www.dramsky.io](https://www.dramsky.io)

Wrote various smart contracts for NFT swap, rental, staking, breeding with Rust/Anchor.

Researched and leveraged new Solana NFT protocols & standards – pNFT, cNFT, xNFT, Token2022 and NFT Core.

*ShreddedApes - Apr. 2022 - Sep. 2022 as Solana Fullstack Developer*

[www.shreddedapes.io](http://www.shreddedapes.io)

The world's first Web3 Health & Nutrition Brand dedicated to transforming the NFT space by providing high-quality fitness products and services designed to help you achieve your health and wellness goals. Built Smart Contract with Anchor and built homepage, staking and bootcamp features on Solana.

## References

### **Harmy**

Co-CEO, Blocksmith Labs [twitter.com/hcrypto](https://twitter.com/hcrypto)

### **Eshan**

CEO, Moduluc [www.linkedin.com/in/esalari](https://www.linkedin.com/in/esalari)

### **Rudy**

CTO, HydraSwap [twitter.com/rudiyardley](https://twitter.com/rudiyardley)

### **Filip**

CTO, ChainSwap [twitter.com/0x\\_Filip](https://twitter.com/0x_Filip)