



ALEX JIN

Senior Software Engineer | JavaScript & Web3 Specialist

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Summary

Accomplished software engineer with 10+ years of experience in delivering high-quality software solutions in fast-paced, deadline-driven environments. Proven expertise in designing and building complex systems while collaborating with cross-functional teams. Well-versed in the software development life cycle, Agile methodologies, and leveraging cloud technologies to create scalable, high-performance applications

Skills

Libraries & Frameworks:

HTML/HTML5/JavaScript ES6 · CSS/CSS3/SCSS/SASS · TypeScript · Vue.js · React.js · Angular · Node.js · C# · Rxjs · NgRx · Solidity · Flutter · Cypress · Mocha · Jest · Webpack · Babel · Pug · Express.js · Nest.js · Next.js · Vite · Astro · Tailwindcss · Material UI · Bootstrap · Axios · Ajax · Restful · GraphQL · WebSockets

Databases: MySQL · PostgreSQL · MongoDB · Redis · SQLite · Firebase · AWS RDS

Tools & more:

Git · Apache · Nginx · Grunt · Truffle · Hardhat · Heroku · Netlify · AWS · GCP · Azure · CircleCI · Github · Gitlab · Bitbucket · Jenkins · TDD · BDD · Docker · Jira · Trello · Figma · Adobe XD · Npm · Yarn · Grunt · Gulp

Experience

okTurtles Foundation — <https://okturtles.org>

Remote

Senior JavaScript Developer

12/2021 - Present

- Worked on the open-source project Group Income, utilizing new technologies such as SBP (Selector Based Programming) and Chelonia. Made hundreds of PR (Pull Request) to enhance functionality and contribute to the project's growth
- Improved existing contracts like group contract, identity contract improving tens of actions
- Created a new contract, chatroom contract, comprising 17 distinct actions and implemented the functionality for messaging system
- Refined and updated the user interface to align with the responsive design specifications using JavaScript, Pug, and Vue.js
- Resolved more than 10 critical issues related to authentication and contract synchronization as part of the end-to-end protocol improvements
- Developed 50 end-to-end frontend test cases using Cypress to ensure robust application functionality and performance
- Consistently reviewed and provided feedback on pull requests from team members to ensure code quality and adherence to best practices

Massless — <https://massless.io>

Remote

Senior Web3 Developer

03/2022 - 10/2022

- Worked collaboratively on the development of smart contracts based on ERC721, ERC721A and ERC1155 standards for NFT collection drops, including Jungle Freaks Genesis, Fallout Freaks, Fallout Crystal, Angry Ape Army, Angry Ape Army Evolution, Angry Ape Army Valkyries, Spirit Apes, and Angry Ape Armory
- Made contributions to the Massless Infrastructure Web3 library, the "Smart Contract Library"
- Developed and deployed 7 frontend and backend API servers for NFT drops, implementing CI/CD pipelines with Google Cloud Platform and Vercel for seamless integration and deployment
- Designed comprehensive quality assurance methodologies for newly developed smart contracts in the decentralized studio, resulting in a 67% reduction in bugs released through systematic testing and validation techniques
- Newly created SmartContractGUI (<https://www.smartcontractgui.xyz/>), a Contract Interaction Tool that enables users to interact with on-chain smart contracts using their address and ABI
- Played a key role in development of a Snapshot server to capture 100% accurate smart contract state at a specified block number for precise state tracking and auditing
- Made significant contributions to the development of the Smart Contract Builder, a tool that generates smart contracts for 3 types of NFT collections, similar to OpenSea's Wizard

Experience

Bright Data — <https://brightdata.com>

Remote

Senior JavaScript Engineer

08/2021 - 01/2022

- Conducted rigorous performance testing for the SERP program, identifying and resolving bottlenecks that improved response times by 12%; the enhancements led to an increase in user retention and trust in the service
- Set up and managed the development pipeline within an LXC (Linux Containers) environment, ensuring seamless integration and workflow
- Utilized CVS (Concurrent Versions System) as a version control system to manage and track code changes throughout the development process
- Worked with the Ubuntu terminal and Vim, leveraging pure JavaScript for development, with additional experience using the React.js library for building user interfaces

Nifty Gateway — <https://niftygateway.com>

Remote

Senior Blockchain Developer

02/2021 - 09/2021

- Participated in the creation of one of the largest NFT marketplaces for digital art on the Ethereum network, utilizing ERC-721 for single NFTs and ERC-1155 for multi-token NFTs
- Actively contributed to building and improving the complete set of smart contracts from scratch and successfully passed the security audit conducted by SlowMist
- Assisted in the development of a token bridge between Ethereum and Binance Smart Chain (BSC), enabling users to migrate their NFTs from BSC to our platform
- Helped drive the development of core functionalities for the NFT marketplace, including sales, auctions, and airdrops, and integrated proxy contracts for service fee calculations
- Introduced NFT fractionalization, allowing users to co-own NFTs and collaboratively decide on subsequent actions such as sales, auctions, and airdrops

Sitemoni (Formerly Sitebubo) — <https://sitemoni.com>

Remote

Lead Software Engineer

10/2019 - 08/2020

- Led a 5-member cross-functional team providing support to the client's multicultural team by offering feedback, clarifying requirements, and assisting with technical inquiries
- Kept the Project Manager and IT Leads informed on the overall progress of the projects, while managing and tracking tasks assigned to the team
- Upgraded the Ionic framework from version 3 to version 4, ensuring improved performance and compatibility with the latest features
- Was actively involved in building stable and maintainable codebases, ensuring long-term scalability and reliability
- Implemented the Bitrise CI/CD framework for the Ionic v4.0 project to streamline continuous integration and delivery
- Installed and managed the API server, monitoring server, and load balancers to ensure optimal performance and reliability

Tensail Analytics — <https://tensailanalytics.com>

Remote

Full Stack Web Developer

04/2019 - 09/2020

- Extracted and aggregated data on sports events, odds, box scores, match statistics, and leaderboards from various sources, including ESPN, Rivals, Stats-NCAA, DonBest, PGA Tour, and stored the data in MongoDB, one of famous NoSQL database
- Spearheaded the integration of advanced machine learning algorithms, analyzing player performance metrics and game conditions; resulted in the identification of key predictive indicators for success in 85% of matches
- Worked on the development of a license-protected restful APIs that delivers predictive insights and expectations
- Installed development pipeline using GitHub, Heroku, Slack, and CircleCI which is one of the famous Build Tools
- Managed and maintained an unmanaged VPS server, ensuring its optimal performance and security

Toptal — <https://www.toptal.com>

Remote

Full Stack Developer

11/2015 - 12/2018

- Created and deployed scalable SPA(Single Page Application) leveraging ReactJS and Angular, resulting in a significant reduction of user-reported bugs by over 200 tickets monthly through comprehensive debugging practices and analytics integration
- Developed e-commerce solutions and Chrome extensions using Shopify, including customizing pre-existing themes to meet client specifications
- Was involved in the development of microservices architecture for websites, utilizing PHP, Java, and Python
- Integrated external services such as AWS, Google APIs, cloud services, payment gateways, and delivery solutions
- Configured and optimized VPS environments, including Apache and Nginx, to enhance performance and reliability

Education

Tsinghua University

Bachelor's degree in Computer Science

2009 - 2013

References

Greg Slepak, Founder, okTurtles — hi@okturtles.org

Richard Casemore, Web3 Lead, Massless — richard@massless.io