Toba Senju

Sr. Full-Stack Blockchain Developer

✉ tobasenju.dev@gmail.colm ⊙ Saitama Japan

🪪 PROFILE

Seasoned blockchain and full-stack developer with over 10 years of robust experience in JavaScript, TypeScript, Solidity, Rust, FunC/TACT, Python, HTML, and CSS, along with their respective frameworks.

Successfully managed and executed numerous projects across diverse industries such as marketing, healthcare, eCommerce, real estate, blockchain, and car insurance.

Proficient in solving intricate business challenges, resulting in cost savings and increased profitability for clients.

Seeking an opportunity to leverage expertise to drive exponential revenue growth for organizations.

🎓 EDUCATION

Kyoto University
Master of Science in Computer Science with a focus on Web Development

May 2014 –
Jan 2016
Kyoto, Japan

Kyoto University
Bachelor of Science in Computer Science

Aug 2010 –
May 2014
Kyoto, Japan

💼 PROFESSIONAL EXPERIENCE

Senior Solana, XRPL Developer | CTO
Self-employed, MahaDAO, Xchess, etc

Nov 2022 – present
Remote

- Developed on-chain tools on the Solana blockchain. The main tech stack included Node.js, TypeScript, MongoDB, Web3.js, Solana RPC, and Socket.IO.
- Launched 5 NFT collections on Solana network, built non-custodial staking, developed an NFT lottery platform, and participated in the development on 2 on-chain games on Solana with Candy Machine.
- Built a Web3 chess platform, xchess.io, on the Solana blockchain.
- Built an XRPL-based NFT marketplace from scratch using TypeScript, React.js, Node.js, xrpl.js, and MongoDB.
- Reduced API response time by 30% and reduced database usage costs by optimizing database queries on NFT marketplace project.

Technologies: Solana, Node.js, TypeScript, Blockchain, Web3, Web3.js, Ethereum, GraphQL, Solidity, Rust, Func/TACT, Ripple, XRPL, XUMM, Metaplex, Decentralized Finance (DeFi), Crypto, Back-end, API Development, WebSockets, REST APIs, Architecture, API Integration, OpenAI GPT-4 API, NoSQL, APIs, Minimum Viable Product (MVP)

Senior Blockchain(EVM), Python Developer

DAO Labs, Callisto, IDAO, Autodca

- Developed an EVM-based token leveraging smart contracts using flash loan logic of AAVE protocol and Curve Swap.
- Enhanced load times by 85% by analyzing and implementing over 5 new features in Python (Django) and developed 4 data processing automation systems.
- Reduced monthly project maintenance costs by 40% by implementing custom backend API and reducing third-party API usage.
- Improved user experience and front-end operations by making UI more user-friendly.
- Optimized backend API workflow and updated legacy logic.

Technologies: *Python, Django, Node.js, Software Development, MongoDB, MySQL, DevOps, Blockchain, Web3, Web3.js, Ethereum, Solidity, PostgreSQL, Amazon Web Services (AWS), Back-end, API Development, WebSockets, Architecture, API Integration, NoSQL, APIs, Code Review,*

Apr 2021 – Oct 2022
Remote

Senior Smart Contract, Frontend Developer

Shoefy, Viant Inc

- Increased security & usability of smart contracts by finding and fixing over 20 bugs with Solidity.
- Implemented decentralized logic for 8 features and cooperated with the UX department to create a new look and feel for the website using React & CSS.
- Reduced development time by creating reusable code libraries for future projects.

Technologies: *React, Next.js, TypeScript, Web3, Redux, HTML5, Canvas, CSS3, SCSS, Material UI, Styled-components, styled-system, Ant-Design, Chakra UI, Jest, Blockchain, Web3, Web3.js, Ethereum, Solidity, Software Architecture, Pixel Perfect, APIs, Front-end, Figma to Design*

Jun 2020 –
Jan 2021
Remote,
United Kingdom

Senior Full-Stack Developer

Feedc, CherryPie Studio

- Used Node.js with Express.js and TypeScript as the main stack, MySQL and MongoDB for databases, Socket.IO for chats and real-time events, and RTMP and HLS for live streams.
- Developed a geolocation social platform using Node.js and TypeScript. It has many social benefits, including followers, feeds, chats, and live streams.
- Led the back-end team of five developers and the mobile team of two developers.
- Completed various challenging DevOps tasks — setting up the Node.js environment on Google Cloud, making it scalable, and setting up Docker.
- Used Node.js and TypeScript to develop the whole back end, including auth, feed, chats, and live streams.

Technologies: *Node.js, Express.js, TypeScript, Google App Engine, Firebase, Google Cloud Platform (GCP), MongoDB, SQL, AWS, Front-end, Back-end*

Feb 2018 – Feb 2019
Kyoto, Japan

Senior Full-stack Developer

Upwork

- Collaborating with 2+ agencies, developed websites for clients in the oil & gas, recruitment and blogging industries.
- Increased the productivity of the team by coaching the other 3 teammates, including the team lead, on frontend development.
- Integrated third-party APIs to enhance functionality and improve overall user experience on web platforms.
- Built new features and fixed bugs in the complex web project for a private community subscription service.
- Integrated a few payment gateways in addition to existing ones.
- Helped to improve server infrastructure to make it more scalable.
- Developed and implemented both the front end and back end for different applications.

Technologies: HTML, CSS, JavaScript, Typescript, Node.js, JQuery, REST api, C#, .NET, Front-end, Java, PHP, Laravel

🧠 SKILLS

Web Development Technologies ━━━━━

- HTML expertise
- CSS proficiency
- Javascript/Typescript
- Web Technologies: AngularJS, jQuery, Bootstrap
- ReactJS Knowledge
- Angular Knowledge
- Vue.js Knowledge

Frontend Development ━━━━━

- Responsive Web Design principles
- UI and UX design principles
- Server-Side Rendering
- Library design
- Version Control and Collaboration
- Git Version Control
- GitHub collaboration
- Team Collaboration
- Code reviews

Project Management ━━━━━

- Project Management
- Lead Consultant

Backend Development ━━━━━

- RESTful APIs development
- Node.js Experience
- Django framework
- .NET development
- SQL Expertise
- NoSQL Databases
- API design knowledge

Web3 and Blockchain Technologies ━━━━━

- Ethereum (Solidity) proficiency
- XRPL (Ripple) proficiency
- Solana (Rust) proficiency
- XRPL (Ripple) proficiency
- TON (FunC/TACT) proficiency
- Web3-Integration proficiency
- DevOps and Deployment
- DevOps principles
- Software Deployment
- Performance Improvement