Haruto Tanaka

Senior Blockchain and Full Stack Developer

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Profile

I am a **Blockchain and Full-Stack Developer** with 10 years of experience in designing and developing blockchain solutions for enterprises.

I have expertise in various blockchain platforms such as **Ethereum**, **Bitcoin**, **Hyperledger** and **Solana**, and is skilled in **Smart Contract** development using **Solidity**, **Rust**, **C++**, **Go** and integration with Web and Mobile applications. My experience includes developing decentralized exchanges, **DeFi** projects, **NFT platforms**, and custom blockchain solutions.

I also have extensive experience in building distributed systems and am proficient in cloud infrastructure technologies such as **AWS**, **Azure**, and **GCP**. I have implemented serverless architectures, optimized database performance, and developed scalable web applications using modern technologies like **Next.js**, **React**, **Angular**, and **Node.js.**

I am committed to leveraging the transformative potential of blockchain technology to drive innovation and enhance business efficiency.

Skills

Blockchain Platforms
Ethereum, Bitcoin, Hyperledger, Solana, Polygon

Web Development:
Next.js, React, Angular, Vue.js, Node.js, PHP, Ruby on Rails, Supabase, Express, Shopify, MERN stack, Laravel, CodeIgniter, Symfony

Cloud Technologies:
AWS, Azure, GCP, AWS Lambda, API Gateway, S3

Other Technologies:
Web3.js, Ethers.js, GraphQL, Firebase, REST APIs, ChatGPT, Vercel

Smart Contract Development
Solidity, Rust, C++, Go

Databases:
MySQL, MongoDB, SQLite

Programming Languages:
TypeScript, JavaScript, Python, PHP, Ruby, Java

Professional Experience

07/2018 – 11/2023
Ottawa, Canada

Senior Blockchian and Full Stack Developer, *Risk Labs*
- Contributed to Decentralized Exchange (**DEX**) development involving the use of **Next.js, Web3.js, Ethers.js**, and **Solidity**.
- Contributed to MVP development version of an enterprise level business platform as a senior Frontend Developer.(**Angular 16 + Python Lambda, AWS**)
- Built a company Website from Figma as a full stack developer. (**Next.js + Supabase, Vercel**)
- Built an MVP version of a business platform for lawyers from Figma. (**Angular 17 SSR + Nestjs + SQLite + ChatGPT, GCP + Vercel**)
- Built a customized e-commerce platform with Vipon-like promotion features using the **Node.js**, **React**, **Express** and **MongoDB**.

- Expert in customizing **Shopify** themes to meet specific client requirements, resulting in visually stunning and user-friendly websites.
- Wrote a **Python** script to automatically extract data from **TicketMaster**'s free api and added to **Google Sheet**
- Created **smart contracts** for Crypto Games(play to earn, move to earn games and Casino games)
- Build **NFT** minting sites, marketplaces, staking sites including **ERC-721**, **ERC-1155** and integrated **NFTs** with **dApps**
- Created new **coin** forked from **Bitcoin** and also participated in to change it's consensus from **PoW** to **PoS**.
- Implemented various types of **smart contracts** such as multi-signature wallets, automated market makers and token issuance contracts using **Solidity**, **Rust** and **Go**.

01/2015 – 05/2018
Orlando, FL

Senior Full Stack Developer, *Cubix*
- Developed a real-time chat application using **Node.js** and **Vue.js** enabling seamless communication among 500+ concurrent users.
- Implemented serverless architecture using **AWS Lambda functions** and API Gateway to handle high-traffic events, resulting in a cost reduction of 40% and improved scalability.
- Developed an internal order management system using **MERN** stack, improving scalability and compliance with deadlines by 97%.
- Optimized the performance of a **Node.js** application by implementing caching mechanisms and reducing database queries, resulting in a 50% reduction in response time.
- Developed a serverless image processing service using **AWS Lambda** and **S3**, allowing users to upload and manipulate images with minimal latency.
- Designed and implemented a serverless data processing pipeline using **Node.js**, **Vue.js** and **AWS Lambda**, handling large volumes of data and generating real-time insights for analytics purposes.
- Developed an **email interface** that sent software updates to 1200+ user group members using **Node.js** and **Vue.js**.
- Collaborated a team of 16 engineers in creating an **online store** for members, which generated $105K quarterly revenue for the company.
- **Patched bugs** in a 3rd party software by studying the design principles and removing **20K stray lines of code**.
- Developed an **e-commerce store** for the company's Gold Club members, generating **$79K** annual revenue
- Created 17+ **Node.js** and **PHP-based websites** with outstanding content, layout, and functionalities, reducing bounce rate by 5.5%

05/2012 – 12/2014
Midland, TX

Web Developer, *Seven Lakes Technologies*
- Developed web application backend components using **Node.js**, **JavaScript**, **PHP**, and **Java**. Collaborated with 30+ clients to understand their unique needs and exceeded expectations.
- Enhanced data protection and security using **Node.js**, **JavaScript**, **PHP**, and **Python**. Achieved a 24% increase in overall security rate, establishing trust and confidence in users.
- Managed expansive databases with **Node.js** and **PHP**. Optimized performance and reduced software maintenance expenses by 15% in 12 months.
- Created and optimized components using **React** and **Next.js**. Cut development speed by 9%
- Used **PHP** and **Python** for tailored web solutions, meeting and exceeding client expectations.
- Strengthened data protection using **Node.js**, **JavaScript**, **PHP**, and **Java**, resulting in a 24% increase in overall security rate.
- Optimized database performance with **Node.js** and **PHP**, reducing software maintenance expenses by 15% in 12 months.

Education

04/2008 – 03/2012
Osaka, Japan

Bachelor's degree of Computer Science, *Osaka University*