Takuma Kijima

FullStack & Blockchain & Generative AI Developer
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Innovative and results-driven Full Stack Developer with extensive experience in designing, developing, and deploying robust web applications and blockchain solutions. Proficient in both front-end and back-end technologies, including JavaScript, React, Node.js, and Python, with a strong foundation in smart contract and trading bot development on Blockchains like Ethereum and Solana. Skilled in leveraging Generative AI techniques to enhance user experiences and streamline processes, utilizing frameworks such as TensorFlow and PyTorch. Demonstrated ability to collaborate effectively in cross-functional teams, delivering high-quality software solutions that meet client requirements and exceed expectations. Passionate about exploring emerging technologies and implementing best practices in software development, including Agile methodologies, CI/CD pipelines, and automated testing. Committed to continuous learning and professional growth in the rapidly evolving tech landscape.

EDUCATION

Nagoya University , *Bachelor of Computer science* | Nagoya, Japan GPA: 4.0/3.8 June 2017

Tech Finalists: Bachelor's Automation Engineering & Bachelor's Computer Science
Courses: Artificial Intelligence, Machine Learning, Distributed Systems, Blockchain Technology

EXPERIENCE

Full Stack and Blockchain Developer, *JSOL Corporation* | On-site (Nagoya, Japan) Aug 2020 - April 2024

- Web Application Development: Led the design and development of a scalable web application for managing logistics and supply chain operations, utilizing React for the frontend and Node.js for the backend, resulting in a 30% increase in operational efficiency.
- API Integration: Developed and integrated RESTful APIs to connect frontend applications with backend services, ensuring seamless data flow and enhancing user experience.
- Database Management: Designed and optimized database schemas using MongoDB and PostgreSQL, improving data retrieval times by 40% through effective indexing and query optimization.
- Agile Collaboration: Collaborated with cross-functional teams in an Agile environment, participating in sprint planning, daily stand-ups, and retrospectives to deliver high-quality software solutions on time.
- Code Quality Assurance: Implemented automated testing frameworks (Jest, Mocha) to ensure code quality and reliability, achieving a code coverage of over 85%.

Blockchain Developer, *Toyota Tsusho* | On-site (Nagoya, Japan) Jan 2019 - Aug 2020

- Smart Contract Development: Designed and deployed smart contracts on the Ethereum blockchain for a decentralized supply chain management system, enhancing transparency and traceability of goods.
- DApp Development: Developed a decentralized application (DApp) using Web3.js, allowing users to interact with smart contracts directly from the web interface, leading to a 50% reduction in transaction times.
- Blockchain Integration: Collaborated with IT teams to integrate blockchain technology into existing enterprise systems, improving data integrity and reducing fraud risks.
- Performance Optimization: Conducted thorough performance testing and gas optimization of smart contracts, achieving a 20% reduction in transaction costs.
- Documentation and Training: Created comprehensive documentation and conducted training sessions for team members on blockchain concepts and smart contract development best practices.

SKILLS

Languages	JavaScript/TypeScript, Python, C/C++, C#, Java, Solidity, Rust, Git
Frameworks	React, Next.js, Vue.js, Laravel, NestJS, WebFlow, Express.js, MongoDB, MySQL, Firebase, Superbase, TailwindCSS, BootStrap, Figma, UX/UI design
Hosting	Vercel, AWS EC2/VPS, Netify, Firebase
Blockchain & Web3	Web3.js, Ether.js, Smart Contract, Dapp Design & Development, Tokenomics, Consensus Alogrithm, Solana, Crypto Trading

FREELANCING PROJECTS

Portfolio Traking Platform - *Nova (https://www.nova-solutions.io/)* 2024

- Overview: Implemented wallet connection with several Wallets such as Compass, Leaf and Keplr.
- Technology: Implemented several wallet connection such as Compass, Leaf and Keplr. Implemented API integration with Flask Backend server.The frontend is based on Next.js and Tailwind CSS. The backend runs in Rust.

AI-Driven Saas Platform - *IceStoneTech (https://novmuserai.com/)* 2024

- Overview : This Sass platform supports AI writing to create, design, and improve new Novel ideas. Reflects AI agents and AI virtual writing teams to enhance creativity and efficiency. And also design, manage, and track chapter topics and topic points to enhance clarity. And generate novel content chunks with AI and track the generated content comprehensively.
- Technology: As a full stack developer, I implemented two front-end websites(landing page and dashboard) and back-end. And I also integrated OpenAI agents into this platform for AI writing. The front-end is based on Next.js, TailwindCSS, and Material UI. The back-end is based on FastAPI and MongoDB. And it was deployed on AWS EC2 in Blue/Green fashion.

AI Agent Platform -*Movatec (https://www.haddacloud.cl/)* 2023

- Overview : The haddacloud.cl is a platform operated by the Chilean company Movatec. This platform offers various AI agent services. Here I implemented the Callbot Generating Module. This allows people to create AI agents for their companies using workflows. This module is very similar to Botpress.com.
- Technology : The basic frontend page is built using Vue3, Vuetify3, and Vueflow. Here, Vue3 is a JS framework, Vuetify3 is a CSS framework, and Vueflow is a library that supports drawing workflows. The backend is based on MongoDB and NestJS.

Certificates

Certified Ethereum Developer, ConsenSys Academy

TensorFlow Developer Certificate, Coursera

University of California San Diego, Coursera

Nanodegree program, Udacity