

Taku Yamamoto

mars.dilloo@gmail.com | Portfolio | GitHub

Education

Department of Computer Science, Hong Kong Polytechnic University
Frontend developer as intern

Pune
2013-2020

Experience

Fullstack developer

2020 - 2022

Worked as a Senior Full-Stack Blockchain Engineer, building and scaling Web3 applications using React/Next.js, Node.js/Golang, and smart contracts across EVM and non-EVM networks. Designed secure backend systems for wallet authentication, on-chain payments, and blockchain event indexing. Led cloud deployments and CI/CD pipelines using Docker and AWS/GCP to support high-availability production systems. Collaborated closely with product and protocol teams to deliver robust, user-focused decentralized platforms.

Blockchain developer

Remote | March 2022 - March 2024

Designed and deployed secure, scalable smart contracts across EVM and non-EVM blockchains with a focus on gas optimization and upgradeability.

Led multi-chain integrations enabling seamless wallet connectivity and cross-network transactions.

Developed Solidity-based contracts for payments, staking, access control, and automated fund distribution.

Built backend services to index on-chain data, process events, and sync blockchain state with off-chain systems.

Implemented Web3 authentication flows using wallet-based signing and role-based authorization.

Architected decentralized payment systems with on-chain verification and automated settlements.

Conducted contract audits, enforced security best practices, and mitigated common vulnerabilities.

Collaborated closely with frontend teams to deliver smooth, production-grade Web3 user experiences.

Skills

Programming Languages: TypeScript, JavaScript, Python
Libraries/Frameworks: ReactJS, NextJS, VueJS, DjangoLangChain, LangGraph Tools
Platforms: Docker, Linux, GCP, GIT, FIGMA
Databases: PostgreSQL, MongoDB, Supabase

Projects / Open-Source

Gitsplit

Golang, Solidity, Next.js, Supabase, Docker

Developed a funding platform for open-source projects using Next.js, Golang, and PostgreSQL. Connected GitHub API for seamless project discovery and user data management. Enhanced platform security with robust data protection measures

Cryptorage

React.js, Supabase, Walrus

Built a Chrome extension with React.js and Supabase, enabling secure data storage, real-time updates, and smooth browser integration. Incorporated Walrus blockchain and OCR for decentralized image storage and text extraction. Designed a robust data management system by combining SQL queries with blockchain features and implemented an AI web summarizer API using Gemini Nano for enhanced data processing.

Terminal AI Assistant

Node.js, TypeScript, DeepSeek-V3, Commander.js

Developed a Node.js-based CLI tool to translate natural language into Windows command line instructions with DeepSeek-V3 AI.

It supports real-time execution, secure command handling, fast responses, and API key encryption while ensuring cross-platform support.