



# KENTARO NAMBA

FULL STACK || BLOCKCHAIN || DEVOPS ENGINEER    📍 LITTLE FERRY, NEW JERSEY, UNITED STATES    ☎ +17322177702

## ◦ DETAILS ◦

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## ◦ LINKS ◦

[LinkedIn](#)  
[Github](#)  
[Telegram](#)  
[Portfolio](#)

## ◦ SKILLS ◦

EVM | Solana | Sui

DeFi Protocol

NFT

Solidity

Rust

Move

Hardhat

Foundryup

Web3.js | Web3.py

Node.js

Typescript

Javascript

Python

AWS

Microservices

MongoDB | DynamoDB

PostgreSQL | MySQL

GraphQL

Apache Kafka



## PROFILE

**Full Stack, Blockchain, and DevOps Engineer** with 10+ years of experience delivering secure, scalable solutions across Web3, AI, and AWS Cloud infrastructure.

I've launched **50+ Production smart contracts** powering DeFi platforms, AMMs, DEXs, Staking, Lending, and GameFi with \$50M+ in volume on **EVM/Solana/Cosmos Mainnet**.

I built a cross-exchange **Basis Trading Bot (Perp-Perp, Shot-Perp between Hyperliquid, Binance, Kraken, ByBit)** leveraging live spread and funding data for real-time execution.

Skilled in **JavaScript/TypeScript (React, Next.js)**, **Python, Go, C/C++, Unity3d, Cocos2d**, and backend systems (**Node.js, C#, PostgreSQL, MySQL, MongoDB, DynamoDB, NoSQL, GraphQL**).

Strong in cloud-native **DevOps with AWS, Docker, Kubernetes**, and **CI/CD automation**.

Passionate about **AI/ML**, with hands-on work in **NLP, predictive modeling**, and CV using **TensorFlow and PyTorch**.

I value clean code, secure architecture, and thriving in fast-moving, collaborative teams.



## EMPLOYMENT HISTORY

### Senior Blockchain Engineer at Ink Finance

April 2022 — June 2025

Created the powerful Staking Economy Core DeFi dApp on EVM chains and Solana.

- Expanded the Ink Finance ecosystem by designing and developing the mathematical formulas, mechanisms, and smart contracts for staking, pledging, and sponsorship features.
- On Solana, creatively engineered high-performance smart contracts using **Rust**, optimized for low-latency transactions and seamless integration with **Serum** and **SPL token standards**.
- Optimized gas costs and reduced transaction fees by an average of 25% using gas-less and advanced optimization techniques.
- Developed a **basis trading bot supporting multiple exchanges**—including **Hyperliquid, Binance, Kraken, and ByBit**—with features for spread monitoring, open interest analysis, funding rate evaluation, and dynamic execution across market pairs.
- Implemented a powerful backend testing mechanism for protocol interaction without requiring a frontend.
- Earned a **9.5+ audit score from Certik.com** for smart contract quality and security, covering engine, pool, token, library, and factory components.

**Skills:** Solidity, Rust, TypeScript, Python, Node.js, React.js, Next.js, Web3.js, Hardhat, Foundry, GraphQL, MongoDB, Redis, AWS, Docker, Kubernetes, Terraform, CI/CD, GitHub, CCXT, TA-Lib, Pandas, NumPy, Slither, Tenderly, OpenZeppelin, Cryptography, REST APIs, WebSockets

C   C++   C#
Java
Cryptography
SSL
GitHub
CI/CD
PyTorch
TorchEngine
NLP
Yolo
LangChain
Machine Learning
◦ LANGUAGES ◦
English
Japanese

## Blockchain Full Stack Engineer at Loxar (Startup)

October 2021 — February 2022

Proved track record in the dynamic NFT gaming sector, having spearheaded the design and implementation of 'Loxar,' a survival game on the Binance Smart Chain (BSC)

- Expertly navigated the complexities of NFT token minting, culminating in the successful debut of the **Loxar Game Launchpad**.
- Successfully completed the backend, admin panel, and the establishment of a dedicated **NFT marketplace** that facilitates seamless trading of in-game assets.
- Integrated **CI/CD pipelines using GitHub Actions** and containerized the backend with **Docker**, enabling rapid deployment and environment consistency.
- Deployed infrastructure on **AWS**, with **monitoring, logging, and auto-scaling** configured for game server stability and uptime.

**Skills:** Solidity, Smart Contract, Hardhat, Web3, Node.js, MongoDB, Apache Kafka, NFT, ERC20/721/1155, BSC, Docker, AWS, CI/CD, GitHub Actions, Nginx, PM2

## Lead Smart Contract Developer at Flare Finance

December 2020 — August 2021

Distinguished DeFi architect with a robust skillset in creating intricate financial platforms, as evidenced by the successful launch of a cutting-edge DeFi platform on the Flare Network.

- Designed the tokenomics, as highlighted by the conceptualization and design of FlareZard Tokenomics.
- Demonstrated expertise in decentralized governance mechanisms through the integration of MakerDAO, alongside a seamless swap experience leveraging Uniswap v2.
- Enhanced platform functionality by incorporating loan and staking solutions using AAVE v2.
- Comprehensive hands-on experienced in the full development lifecycle, including compiling, deploying, and meticulous testing on the Truffle environment

**Skills:** Solidity, Smart Contract, Web3.js, Truffle, AAVE v2, MakerDAO, Uniswap v2, Flare Network, Tokenomics Design, Governance, Staking, Lending, JavaScript, Ethereum, EVM, DeFi Protocols, Blockchain Architecture

## AWS, Full Stack Engineer at HSQA (Startup)

August 2019 — August 2020

Worked as an AI solution architect with a track record of designing and deploying a sophisticated web-based platform dedicated to website testing.

- Spearheaded the integration of advanced facial recognition capabilities, enabling innovative sign-in protocols using real-time camera imagery.
- Demonstrated mastery in frontend development, utilizing state-of-the-art frameworks and libraries such as React.js, Next.js, Three.js, D3.js, Material UI, and Bootstrap.
- Backend infrastructure, built on AWS, showcases adeptness in leveraging services like S3, Dynamodb, Polly, Rekognition, and the intuitive Lex for chatbot functionalities.
- Further backend enhancements were achieved using AWS Elasticsearch, Lambda, API gateway, and Selenium.
- Notably, advanced data analysis capabilities were incorporated, utilizing deep learning to intelligently process and understand request sentences

**Skills:** React.js, Next.js, Three.js, D3.js, Material UI, Bootstrap, Node.js, AWS (S3, DynamoDB, Polly, Rekognition, Lex, Elasticsearch, Lambda, API Gateway), Selenium, Deep Learning, Facial Recognition, Python, TensorFlow, Keras, OpenCV, NLP, CI/CD

## Lead Full Stack Developer at WPP Energy

January 2017 — May 2019

Thrived as a lead Full Stack Engineer, spearheading several innovative tech-driven projects that elevated the company's digital footprint.

- Developed a comprehensive dashboard that visualized real-time energy consumption, savings, and project progress, enhancing stakeholder communication and decision-making.
- Encompassed the enhancement of WPP's user portals, implementing secure login mechanisms and facilitating seamless data exchange with our energy partners
- Deployment of cloud solutions via AWS, ensured robust, scalable, and cost-effective platform operations

**Skills:** React.js, Node.js, Express.js, PostgreSQL, AWS (EC2, S3, RDS, CloudWatch), RESTful APIs, JWT Authentication, Docker, CI/CD, GitHub Actions, Chart.js

## Game Developer at Squire Enix, Japan

December 2012 — November 2016

Developed MMORP Games on Windows, Android, iOS

- Designed detailed game economies to support long-term engagement and balanced in-game ecosystems
- Utilized Cocos2d-x, CryEngine, Unity3D, and Three.js to build immersive gaming experiences, integrating deep learning for AI-driven NPC behavior and game personalization
- Engineered a Game Security Integrated Platform using C++ and x86/64 Assembly to protect against cheating and reverse engineering
- Built a Game Launchpad and Website, and implemented a real-time authentication module using Socket programming.
- Developed a robust networking system enabling seamless multiplayer gameplay with low latency and high synchronization accuracy.

**Skills:** C++, Cocos2d-x, CryEngine, Unity3D, Three.js, Deep Learning, Game Economics, Multiplayer Networking, Game Security, x86/64 Assembly, Socket Programming, Real-Time Authentication, Game Launchpad, Windows/Android/iOS Development



## EDUCATION



### Bachelor's degree, Science University of Tokyo, Tokyo

March 2009 — August 2012



## COURSES



### Decentralized Finance (DeFi) Infrastructure (Z4B8LC2SG67F), CourseRa

March 2023 — March 2023



### Certified Rust Programmer (UC-08b3b207), Udemy

March 2021 — April 2022



### Certified DeFi Developer (BCC-c88c89076501), Blockchain Council

December 2020 — January 2021



### Ethereum and Solidity Developer, Udemy

September 2019 — September 2019



### DeFi Development Mastery, Pro EatTheBlocks

November 2021 — December 2021



### Introduction to Blockchain for Global Commerce (HWMKT2H2EEYQ), CourseRa

January 2020 — January 2020



**Mastery Web3.js, Udemy**

November 2019 — December 2019

**React Web Development for Master, Udemy**

November 2016 — December 2016



## REFERENCES

- References available upon request