

Yosuke Kuroki

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EDUCATION

Tokyo Institute of Technology
Bachelor of Science in Computer Science

Tokyo, Japan
Feb.2014 - June 2018

EXPERIENCE

LLM/ML Engineer, Blockchain Engineer
Self-Employed

Aug.2024 - Present
Tokyo, Japan

- Over the past 5ys, I've evolved from building classical ML models to designing robust data and AI systems that embed LLMs into business logic, not just the UI. My focus is on LLM pipelines, context-aware agents, and scalable AI infrastructure.
- I recently led the integration of ChatGPT APIs with Retrieval-Augmented Generation (RAG) in a high-availability backend, where real-time inference demanded smart data routing and prompt engineering.
- In healthcare, I've driven the development of LLM-based analytics tools using domain-tuned prompting and fine-tuning to improve patient outcomes.
- As a dedicated Crypto Trading Bot Developer and Blockchain Engineer, I specialize in creating high-performance trading bots on the Solana blockchain, utilizing Rust for efficient and scalable solutions.
- My expertise encompasses a variety of trading strategies, including sniper bots, volume bots, and pump-and-dump detection systems, tailored to meet the dynamic needs of cryptocurrency markets.

.NET, Full Stack Developer
Zojax Group

Nov.2024 - Present
Tokyo, Japan

- Also, as a seasoned Full Stack Developer at Zojax Group, I leverage my extensive experience in both front-end and back-end technologies to deliver robust and scalable web applications.
- My role involves collaborating with cross-functional teams to design, develop, and maintain innovative solutions that enhance user experience and drive business success.

Blockchain Developer
SpotCoin

Mar.2023 - Nov.2024
Riyad, Saudi Arabia

- Engaging in development of Spotic chain as its chain and ICO of Spotic Coin.
- Updating main platform (<https://www.spotcube.com>)

Full Stack Developer
CTI CONSTRUCTIONS INC

Mar.2020 - Oct.2023
Tokyo, Japan

- Participated in 3 medium, large-sized Gunma Meteorological Websites development using React, Vuetify, Django, AWS services(Lambda, Route53, EC2, S3, Cloudfront)
- Riskma Product Site: <https://riskma.net>
- Riskma Stage Site: <https://stage.riskma.net>
- Gunma Meteorological Site: <https://tfd-umbrella.jp>
- This platform help you to check out for the information on water-related disaster risk, real-time on the map.
- Led the design and development of scalable applications using React, Vuetify, Django, Python, and JavaScript, driving improvements in performance and user experience.
- Developed responsive web applications utilizing HTML, TypeScript, and modern front-end frameworks, significantly improving user engagement.
- Collaborated with product managers to gather requirements and translate them into technical specifications, ensuring alignment with business objectives.
- Implemented CI/CD pipelines to automate testing and deployment processes, reducing release cycles and improving software quality.
- Mentored and guided junior engineers in best practices across various programming languages, fostering a collaborative team environment.
- Conducted code reviews and maintained coding standards across the team, promoting high-quality, maintainable codebases.

Frontend Freelancer

May 2018 - Dec.2020

Upwork

Gunma, Japan

- As a dedicated Frontend Developer with over two years of freelance experience on Upwork, I specialized in creating dynamic and responsive web applications that deliver exceptional user experiences.
- My work involved collaborating with clients to understand their needs and translating them into functional, visually appealing websites and applications.

PROJECTS

- OpenAI Assistance** | *Next.js, OpenAI, Elevenlab API* March.2025
- <https://chat-ui-ai.web.app/>
- AI powered chatbot** | *Next.js, OpenAI, RunpodAPI, Electron, Elevenlab API, Google Speech to Text API* Feb.2025
- <https://www.englishexpress.ai/>
- Image Generation AI** Feb.2025
- <http://38.54.89.230/>
- Survey Management Platform** | *Angular, TailwindCSS, .NET, SurveyJS, Azure* Jan.2025
- <https://calm-hill-05fd50a03.5.azurestaticapps.net/>
- Solana MEV bot** | *TS, Web3.js, Jito, Quicknode RPC, Helius RPC* Jan.2025
- Solana Sniper Bot
 - Video: <https://www.loom.com/share/304df9fd24db40cd9127e5c2525c4a64>
- Solana Spaceman Game** | *Anchor, Rust* Nov.2024 - Dec.2024
- ProgramContract: 2PcxBC6AZXPTadHWwBdxcnkrdJVmoGZ2raMLstDQcpJk
- Opulence Telegram Miniapp** | *Vite.js, Node, MongoDB, Telegram Node API, Vercel* Oct.2024
- This is for airdrop of OpulenceX Token. You can check Bot, @opulencex_airdropgame_bot.
 - Design: <https://www.figma.com/design/etF8tNTHHAeb3WTWq5XSgM/Telegram-Mini-App?node-id=0-1&p=f>
- Solana Pumpfun Program** | *Anchor, Rust* April 2024
- Solana Pumpfun ProgramSmartContract: This smart contract is intended for the Pump.fun project.
 - <https://app.ape.lol>
 - <https://solscan.io/account/H7xKEMfibSSeU5vMbSfj75kKLM5uVVQkogvkLgdzSroB?cluster=devnet>
- Gunma Methodrological Platform** | *React, Vuetify, Django, leaflet, AWS services, CI/CD* Mar.2020 - Dec.2023
- This platform help you to check out for the information on water-related disaster risk, real-time on the map
 - Riskma Product Site: <https://riskma.net>
 - Riskma Stage Site: <https://stage.riskma.net>
 - Gunma Meteorological Site: <https://tfd-umbrela.jp>
- TryHackMe** | *React, Express, MongoDB, TailwindCSS, Docker* Mar.2024 - June 2024
- TryHackMe is a browser-based cyber security training platform, with learning content covering all skill levels from the complete beginner to the seasoned hacker. In this Role, I worked as a Full Stack Developer to migrate their application from old stack to latest stack using.

TECHNICAL SKILLS

Languages: Rust, Golang, JavaScript, HTML5, CSS3, Solidity, Python, C++, TypeScript
Frameworks: Web3, React.js, Next.js, Vue.js, Tailwind CSS, MUI, Actix, Rocket, Node.js, Express.js, Django, Flask
Services: AWS, Jito, Helius, Moralis, gRPC-yellowstone
Developer Tools: AWS, Docker, CI/CD pipelines, Docker, ESLint, TSLint, Test-first Automation
Databases: MySQL, MongoDB, Redis, PostgreSQL, GraphQL,
Agile Practices, Team Tools: Agile, Scrum, Kanban, Scrumban, Jira, Trello