

Ryotaro Kimura

✉ m.ryoppippi@gmail.com 🌐 ryoppippi.com 🐙 @ryoppippi 🌐 Ryotaro Kimura

Engineer building coding agents, developer tools, and human-centred AI products

UK Global Talent visa (Exceptional Talent) — full right to work in the UK, no sponsorship required

Experience

Founding Engineer

Rork

📅 Feb 2026 — Present

📍 SF / UK | Hybrid

- Building a vibe coding platform for mobile app development — top contributor to the codebase, spanning product, coding agent and platform
- Sole architect of Toolkit, the AI-API gateway every generated app runs on: authentication, metered billing, cost attribution and multi-provider routing
- Design how people steer the coding agent — plan mode, model selection and review-before-you-build interaction patterns that keep users in control of an autonomous system
- Own the model-routing layer behind all AI traffic — benchmarking candidate models on cost, latency and output reliability, then routing on that evidence with provider fallback detection and cost-driven traffic splitting
- Own the monetisation path, measurably lifting revenue through usage-metered Toolkit billing and extra-credit top-ups, plus the billing behind the **Rork Max** launch, which added **\$1.5M ARR** in three days
- Led the web performance effort that took the desktop Lighthouse score from **30 to 95**, and re-architected the admin dashboard into a standalone application
- Built the engineering platform the team and its coding agents run on — shared agent skills, automated code-quality enforcement, faster CI and a reproducible Nix environment

AI Engineer

StackOne

📅 June 2025 — Feb 2026

📍 UK

- Lead engineer on StackOne's public Node and Python AI SDKs, authoring the largest share of merged pull requests on each (**62%, 59%**) and taking the Node SDK from beta to a stable **2.x** line
- Architected the shift from static, schema-generated tool lists to dynamic MCP-backed tool discovery, with hybrid lexical and semantic search so agents find the right tool without loading the whole catalogue
- Built native integrations across OpenAI, Anthropic, Vercel AI SDK, LangChain and CrewAI, and owned release, CI and testing infrastructure for both SDKs

Open Source Developer

WRTN Technologies

📅 Mar 2025 — June 2025

📍 South Korea | Remote

- **Third** largest contributor to [Agentica](#) (☆ 1.0k): shaped its TypeScript function-calling stack, focusing on tool-call reliability and selection in the pre-MCP era
- Led **Agent OS**, the open-source platform around that stack, and owned developer experience, whitepapers and documentation for the community building on it

Co-Founder and Chief Research Officer

QuantumCore Inc.

📅 Oct 2018 — June 2023

📍 Tokyo, Japan | Remote

- Co-founded the company and led R&D of Qore, a Reservoir Computing engine that trained **120x faster** than LSTM and ran on microcontrollers, taken into production by industrial partners including Infineon
- Independently built and launched Sloos, a speaker-detection minute-taking service now used by **2,600+ companies** in Japan, winning a Microsoft for Startups partnership
- Built Qore Cloud, a no-code tool for fine-tuning Reservoir Computing models

Projects

My Open Source Projects

AI Tools

- [ccusage](#) (☆ 18.7k, **3.1M** downloads): Reads local session data to report token usage and cost across coding agents — Claude Code, Codex, Amp, OpenCode — with live monitoring and a real-time dashboard
- [SiteMCP](#) (☆ 759): Scrapes a website into markdown and serves it as a local MCP server, so LLMs can answer from a library's own docs
- [curxy](#) (☆ 417): Proxy worker that lets Cursor run against a local ollama model

Web Development / TypeScript Ecosystem

- [unplugin-typia](#) (☆ 83): Bundler plugin that made [Typia](#) usable in Vite, Webpack and esbuild, unlocking it for the wider ecosystem

For a full list of projects, visit ryoppippi.com/works/oss.

Contributions to Others' Projects

- [Typia](#) (☆ 5.9k): **Second** top contributor of 90 to the TypeScript validator that generates runtime validators from types
- [llm-agents.nix](#) (☆ 2.0k): Top external contributor and maintainer of **7** packages, having introduced **12** AI coding-agent CLIs to the collection
- Nix packaging and build infrastructure for [agent-skills-nix](#) (☆ 241), plus upstream packages in nixpkgs

Web Development

- [ryoppippi.com](#): Personal site, designed and built by hand

Publications

- Boundary Management with Guardrails — invited chapter for the cover feature *Mastering Vibe Coding, Software Design* Feb 2026
- [prometheus: A mobile telepresence system connecting the 1st person and 3rd person perspectives continuously](#) SIGGRAPH Asia 2022 (Poster)
- [Artificial Neural Networks for Realized Volatility Prediction in Cryptocurrency Time Series](#) ISNN 2019: Advances in Neural Networks 2019 (Full papers)
- [An Intuitive Interface for Digital Synthesizer by Pseudo-intention Learning](#) Audio Mostly 2019 (Full papers)

Recognition

- **Global Talent** endorsement (UK, Exceptional Talent): recognised as a leading talent in digital technology
- **TOYOKUMO Thanks OSS Award 2025**: Received **\$3,180** for [ccusage](#) (AI & Newcomer categories)

Media

- **Work≠Build Tokyo feat. ryoppippi**: Community event in Tokyo convened around my open-source work
- Recurring guest on [TECH WORLD](#) (**120k** subscribers) on open source, Vim and Nix, and interviewed on [ccusage](#) by Greg Baugues

Talks

- How to Compete Globally with OSS: Behind the Scenes of [ccusage](#) — Findy Technology Selection Conference 2026, one of **11** invited speakers
- [AI-Optimised Vim Keybindings: HCI-Driven HITL Interfaces](#) VimConf 2025
- [Evolution of Claude Code, ccusage, and the Future](#) Claude Code Meetup Tokyo 2025
- [Neovim for Frontend Developers: Boosting Productivity and Creativity](#) VimConf 2024

- [Neovim for Web Frontend Developers: Boosting your Dev with some plugins](#) neovimconf.live 2024

Tech Community Activities

- [Svelte Japan](#): Spoke at the community's very first meeting in 2023 and at meetups since, on SvelteKit, preprocessors and AI-assisted coding

Education

PhD in Applied Computer Science (Dropout)

University of Tokyo

📅 Apr 2022 — Mar 2026

📍 Tokyo, Japan

Rekimoto Lab

Master of Applied Computer Science

University of Tokyo

📅 Apr 2019 — Mar 2022

📍 Tokyo, Japan

Applied Computer Science

Bachelor of Arts

International Christian University

📅 Apr 2015 — May 2019

📍 Tokyo, Japan

Information Science Major, Economics Minor

Dean's List (GPA: 3.86/4)

Exchange Program

The University of Edinburgh

📅 Sep 2017 — May 2018

📍 Edinburgh, UK

School of Informatics