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* (☆ 18.9k, **3.5M** 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* (☆ 760): 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* (☆ 2.1k): 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* (☆ 258), 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