CONTACT

LOCATION
Auckland, New Zealand

EMAIL
terukisato.dev@gmail.com

PORTFOLIO
terukisato.dev

GITHUB
github.com/terukisato

LINKEDIN
in/teruki-sato-910694442

SKILLS

Languages
JavaScript, TypeScript, Python, Java, R, HTML, CSS, SQL

Frontend
React.js, SVG, Web Audio API, PWAs, bilingual UI (English/Japanese)

Backend
Node.js, Express, REST APIs, WebSockets, SQLite

Testing & CI
node:test (unit + integration), coverage gates, GitHub Actions

Tools & hosting
Git, GitHub, Vite, ESLint, Prettier, Vercel, Railway, AI coding assistants

EDUCATION

BSc Computer Science
University of Auckland
Graduated 2022

LANGUAGES

Japanese - Native
English - Fluent

INTERESTS

Guitar, music production, audio hardware, graphic design, climbing, coffee

Teruki Sato

Junior Full Stack Developer

NZ work rights

PROFILE

Computer Science graduate who has shipped two live web apps solo, from design to deployment. My largest, a real-time multiplayer game, runs on a server-authoritative Node.js and WebSocket backend covered by 293 automated tests and CI. Bilingual in Japanese and English, with ten years of high-pressure teamwork in a busy kitchen.

PROJECTS

Janshin (雀心)

Live | Case study | Code

Browser-based riichi mahjong for 1-4 players. Heuristic AI bots fill empty seats, with chat, profiles, achievements, friends, match history and a cosmetics store.

Skills used

- **Real-time backend:** Node.js, Express, WebSockets; server-enforced rules
- **Software design:** full ruleset in a pure, dependency-free scoring module
- **Testing & CI:** 293 tests (node:test), 80% coverage gate, GitHub Actions
- **Data:** SQLite via node:sqlite, migrated from JSON files
- **Frontend:** SVG tiles and Web Audio API music, effects and voice packs

terukisato.dev

Live

My portfolio site, with a case study page for each project.

Skills used

- **Frontend:** React.js, TypeScript and Vite, hosted on Vercel
- **Accessibility:** skip-to-content link and reduced-motion support

SOUZU Metronome

Live | Case study | Code

Browser metronome designed as a guitar floor pedal, with a 16-step sequencer that changes tempo and time signature mid-song.

Skills used

- **Audio timing:** beats scheduled on the Web Audio clock, not JavaScript timers
- **Sequencer:** 16 steps that reuse every metronome control, saved locally
- **Custom UI:** pedal-style knobs, fader and footswitches that scale to any screen
- **Accessibility:** keyboard control, screen-reader support, guided tutorials
- **PWA & devices:** zero dependencies, works offline, Web Bluetooth haptics

EXPERIENCE

Independent Software Developer

2026 - Present

Self-directed projects, Auckland

- Maintain two live web apps with GitHub Actions CI, dependency audits, scripted release notes and versioning.

Nishiki Freemans Bay

2015 - 2025

Japanese restaurant, Auckland

Chef

- Worked all five stations in a five-chef kitchen, where each chef owned their station's orders from start to finish.
- Trained about 30 new staff across kitchen and floor; helped develop the menu.
- Managed inventory, opening and closing, and food safety records.

Bartender & Server

- Prepared drinks and desserts and served guests in English and Japanese.