

Trevor Wood

Senior Full Stack Engineer

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English (native) | Japanese (native-level)

Full-stack engineer with 10+ years building and operating web and mobile products. Independent since April 2024, now focused on PocketAI Hub: local AI applications, coding tools with Codex integration, and Python model-runtime tooling. Previously led development at VIVITA and built a product that reached 14,000 weekly users. Experience spans architecture, implementation, testing, deployment, and ongoing operations.

Technical Skills

Frontend: React, Next.js, TypeScript, JavaScript, Vue.js

Backend: Node.js, Python, PHP, Go, REST APIs, WebSockets

Data and infrastructure: MySQL, AWS, Kubernetes, Redis, CI/CD, autoscaling, self-hosted applications

Mobile and AI: Swift, Java, PyTorch, local LLMs, Codex integration, MCP, VS Code extensions

Professional Experience

Kubernetes experience spans VIVITA, Original Stitch, and personal projects.

Independent Software Engineer

Tokyo, Japan

Self-employed / Solo Product Developer

Apr 2024 - Present

Current focus: PocketAI Hub. Swiperino and Dawipay were initially launched alongside employed roles.

PocketAI Hub

- Developed a local AI application for desktop and mobile, bringing chat, agents, and media-generation workflows to locally hosted models.
- Built a TypeScript VS Code coding assistant with a Codex CLI bridge, approval-controlled file and terminal tools, inline diff review, MCP integration, and automated unit and extension-host tests.
- Built Python/PyTorch tooling to run NVIDIA ARDY motion generation on Apple Silicon, including a persistent local API, installation and health checks, and published latency and memory benchmarks separating model loading from warm inference.

pocketaihub.com | [VS Code extension source](#) | [Python runtime tooling](#)

Other Independent Products

- Swiperino: built and operated a JavaScript, PHP, and MySQL product that reached 14,000 weekly users and 120,000+ lifetime users with 99.9% uptime; implemented automated deployment, autoscaling, and SEO.
- MythBlender: built an AI story generator with React, Next.js, Node.js, MySQL, LLM integrations, self-hosted APIs, and WebSockets for live responses.
- Dawipay: built a trading engine, order books, and WebSocket API with React, Node.js, and MySQL; implemented deposits and withdrawals across five blockchains, payment webhooks, a JavaScript SDK, and a testing sandbox.

Professional Experience (continued)

VIVITA

Tokyo, Japan

Full Stack Engineer / Lead Developer

Oct 2019 - Apr 2024

- Built and maintained a reusable React/Next.js and Node.js application platform so teams could launch new products from a shared frontend and backend.
- Implemented social sign-in, role-based administration, subscription and one-time payments, file uploads, notifications, and API documentation.
- Automated deployment and database versioning on AWS; implemented autoscaling and Redis-backed WebSocket scaling.
- Led development of Vivita Base, an online coding school: built its frontend, backend, administration tools, and documentation, and created programming and AI courses.
- Built Viviboom from scratch with React, Node.js, MySQL, six-language support, and administrative tools; mentored three interns contributing to the project.

Original Stitch

Tokyo, Japan

Full Stack Engineer / iOS Engineer

Jun 2018 - Sep 2019

- Built a Swift iOS app from scratch, integrating a third-party body-measurement SDK and company REST APIs, with unit tests and support across iPhone screen sizes.
- Identified camera angle as a missing input affecting Bodygram measurement accuracy; used camera and gyroscope data to guide image capture within the required angle.
- Developed a React shirt-customization interface, extended Go APIs for rendering, and completed and expanded a Vue.js sizing application.

Hungri.io

Tokyo, Japan

Co-founder / CTO (part time)

Jan 2018 - Jan 2019

- Co-founded a six-person venue-discovery and ordering startup; led technical strategy and launched a QR-menu and online ordering platform used by three restaurants.
- Built the web frontend, PHP backend, Swift iOS app, and AWS Elastic Beanstalk deployment infrastructure.

BizReach

Tokyo, Japan

Mobile Engineer (part time)

Jun 2017 - Jun 2018

- Shipped features for the Android and iOS apps using Java and Swift; maintained Android feature parity with iOS while working part time on an eight-person team.

Software Engineer

Oct 2015 - Mar 2016

- Defined website-specific extraction rules for a web crawler using JavaScript and CSS.

Education

Tokyo Technology Design Center - Computer Science studies | 2015-2016; 2017-2019

Tulane University - Computer Science (class auditor) | 2016-2017

Kai Japanese Language School - Japanese language study | 2012-2013; 2015