

Koichi Sato

AI-Powered Full-Stack & Mobile Developer

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AI-Powered Full-Stack & Mobile Developer with 3+ years of experience designing and shipping web, mobile, and AI-driven applications for remote, international teams. Specializes in integrating LLMs, RAG pipelines, and conversational AI into production systems built on React, React Native, TypeScript, and Node.js. Known for turning ambiguous product requirements into clean, reusable architecture that ships fast without sacrificing maintainability.

CORE SKILLS

- AI & LLM: LLM Integration, Retrieval-Augmented Generation (RAG), Conversational AI Assistants, Document Search, Intelligent Workflow Automation
- Frontend: React, React Native, Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS
- Backend & APIs: Node.js, Express.js, PHP, Laravel, REST API Design & Integration
- Mobile: React Native, Expo, Android, Cross-Platform Development
- Engineering Practices: Clean Architecture, Reusable Component Design, Database-Driven Applications, Git/GitHub Workflows

EXPERIENCE

Senior Full-Stack & AI Developer

Jan 2025 - Present

NovaByte Digital Labs, Remote, United States

- Architected and shipped 4 AI-powered web and mobile applications end-to-end using React, React Native, TypeScript, and Node.js, supporting roughly 12K monthly active users across web and mobile clients.
- Embedded LLM-driven capabilities - conversational AI, RAG-based document search, and intelligent workflow automation - directly into core product features used by customers daily.
- Designed and maintained REST APIs and backend services that power both web and mobile clients from a single source of truth, reducing duplicate backend logic across 2 codebases.
- Built a shared library of 25+ reusable, scalable frontend components to keep the UI consistent across platforms and cut average feature delivery time by an estimated 30%.
- Partnered with 6-person distributed, cross-timezone teams through the full cycle - planning, development, testing, and release - to keep production-ready features shipping on a 2-week cadence.

Full-Stack Developer

Apr 2023 - Dec 2024

VertexWave Technologies, Remote, Japan

- Built responsive, production-grade web applications with React, TypeScript, JavaScript, HTML5, CSS3, and SCSS.
- Developed 8+ backend services and REST APIs in Node.js, PHP, and Laravel to support core application logic serving an estimated 5K+ end users across web and mobile channels.
- Extended web features into cross-platform mobile experiences using React Native and Expo.
- Connected applications to external APIs and backend systems to expand functionality without duplicating logic.
- Refactored toward a component-based, well-structured codebase, cutting down on repeated work and easing long-term maintenance.

PROJECTS

AI-Powered RAG Assistant

- Combined RAG, document search, and real-time web data with LLM integration for context-aware, intelligent responses.

AI Chat Assistant

- Built an LLM-powered conversational app, connecting AI APIs to a responsive frontend for interactive user workflows.

E-Commerce Platform

- Delivered a full-stack e-commerce app (React, TypeScript, Node.js) with product management and REST API integration.

EDUCATION

B.S. Computer Science

2023

Tokyo Institute of Technology

ADDITIONAL INFORMATION

- Languages: Japanese (Native), English (Professional Working Proficiency)
- Availability: Full-Time, Contract, Freelance - Remote-Only, No Travel Required