

SHASHWAT JAIN

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AI platform engineer and hands-on agent builder — architect and primary builder of a vertical AI-agent platform in pilot with 2 enterprise healthcare customers, and of Ops Room, an operating-agent product with an eval harness running nightly live evals in CI. 7+ years shipping enterprise SaaS in regulated healthcare (TypeScript/Node.js, SAP BTP, AWS, Cloudflare). Daily AI-assisted development with Claude Code and Codex, including published extensions for both.

Independent Work

Ops Room

Current Product

Operating-Agent Product for E-Commerce Founders | oproom.ai

Singapore

- Sole architect and builder of a supervised agentic layer over Shopify, Zoho Inventory, Zoho Desk, and Amazon SP-API: agents read the commerce stack, surface what is decision-worthy, draft the work, and execute only founder-approved actions, with full operating-ledger history.
- Designed and operate the product's eval harness: eval suites with regression baselines enforced by a gating script, nightly live-eval runs in CI, eval-case promotion from traces, and an e-commerce operations benchmark harness.
- Built the Cloudflare-native infrastructure end to end: Workers, Durable Objects with per-object SQLite, Hono, Agents SDK, AI Gateway, Vectorize with Workers AI embeddings, Drizzle, and a React SPA.

Open-Source Agent Tooling

Ongoing

- [clify](#) — Claude Code/Codex plugin that generates agent-friendly CLIs from API docs; its generated CLI fleet (Shopify, Zoho, Amazon SP-API) runs daily operations for my own e-commerce store. Also: [weave](#) (zero-dependency TypeScript graph library on npm) and [reflect](#) (cross-session memory for AI coding agents).

Experience

mymedisets

April 2019 to Present

Head of Platform Engineering (hands-on; led 5-person cloud/AI team and 2-person mobile team)

Singapore

- Hands-on architect and primary builder of mymediset's vertical AI-agent platform, in pilot with 2 enterprise healthcare customers — owning workflow scoping with the customers, architecture, implementation, and pilot delivery for medical-device consignment, surgical-kit, warehouse, and procurement workflows, using RAG, tool/function calling, and workflow orchestration on TypeScript/Node.js, OpenAI API, Vercel AI SDK, and Cloudflare Agents SDK.
- Partner directly with the CTO on the company's shift from classic application-extension software to cloud-native SaaS and vertical AI agents for healthcare operations.
- Building full-stack enterprise integration for mymediset cloud, a multi-tenant SAP CAP platform migrating mymediset from classical SAP extensions to cloud-native SaaS on SAP BTP Cloud Foundry with REST APIs, Node.js, TypeScript, @sap/cds, MTX multitenancy, HANA Cloud, SAP Fiori Elements / UI5, and XSUAA / IAS enterprise SSO.
- Created mymediset's mobile division from zero: handpicked and led the 2-person team, shipped the proprietary app publicly on the [App Store](#) and [Google Play](#), and drove customers' shift from web-centric to mobile-first instrument booking — cutting booking times by 50%.
- Built an AWS object-detection system that identifies and counts post-surgery medical device kit contents in customer warehouses, cutting warehouse identification effort by 90%.
- Directed the SAP BTP SaaS transformation across interdependent workstreams (platform, AI agents, mobile), owning delivery sequencing and scope trade-offs, and applied DevOps practices for deployment discipline, release quality, and reliability.

Crimson Logic

August 2018 to March 2019

Software Engineering Intern

Singapore

- Developed a centralized license generation module supporting more than 50 Singapore government license types using Spring Boot; the solution remained in active government use. Practiced TDD with JUnit and code review discipline.

Cognizant

February 2016 to October 2017

Programmer Analyst

Bangalore, India

- Engineered enterprise HCM applications in SAPUI5 and SAP ECC, and built a PDF reporting service producing consolidated status reports for senior management at a Fortune Global 100 client. Cognizant Associate of the Quarter Q1, out of 2,000+ associates.

Technical Skills

AI Agents and LLM Systems: OpenAI API, RAG, tool/function calling, agent workflow orchestration, evals (regression baselines, nightly live-eval CI runs, eval-case promotion from traces), approval-gated execution, human-in-the-loop design, Vercel AI SDK, Cloudflare Agents SDK, Vectorize, Workers AI embeddings, Cloudflare AI Gateway

AI-Assisted Development: Claude Code, Codex — daily practice; published plugins and tooling (clify, weave, reflect)

Cloud and Enterprise Platforms: AWS, SAP BTP, SAP CAP, @sap/cds, SAP BTP Cloud Foundry, HANA Cloud, MTX multitenancy, SAP Fiori Elements / UI5, SAPUI5, SAP ECC, enterprise SSO / identity (XSUAA / IAS), REST APIs, Cloudflare Workers, Durable Objects

Languages and Frameworks: TypeScript, JavaScript, Node.js, Python, SQL, Java, Dart, SAP ABAP, React, React Native, Flutter, Spring Boot, JUnit, Hono, Drizzle ORM

Delivery and Domains: customer-pilot delivery, workflow scoping, delivery planning and sequencing, workflow rollout and adoption, measured outcomes (KPIs), prototype-to-pilot hardening, platform architecture, DevOps, GitHub Actions, healthcare operations, e-commerce operations

Education

National University of Singapore

2019

Master of Technology (M.Tech.) in Software Engineering

Singapore

- Selected for a semester abroad at Ecole Polytechnique Federale de Lausanne (EPFL), focused on Innovation and Technological Entrepreneurship.

Galgotias University

2015

Bachelor of Technology (B.Tech.) in Electronics and Communications Engineering

Greater Noida, India

Selected Achievements

- Applied ML:** AWS object detection cut post-surgery kit identification effort by 90% in customer warehouses.
- Product Impact:** Mobile-first booking shift cut medical instrument booking times by 50% across the customer base.
- Recognition & Coursework:** Machine Learning by Andrew Ng (Stanford Engineering); National Talent Search Exam 2008, top 2,000 of 900,000 nationally across two exam stages in India.