

Justin Ryan Valencia

Software Engineering Lead

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SUMMARY

Software engineering lead who still writes code. Partners directly with the CEO, Executive VP, and department heads to convert manual operations into automated systems, delivering across Warehouse, Servicing, Customer Service, Supply Chain, and HR. Leads the company's AI agent initiative while running concurrent projects with teams of one to four engineers. Separately builds and operates Flowpass, an event ticketing platform that has processed ~₱2.4M across 2,830 tickets.

EXPERIENCE

Focus Global Inc. · October 2022 – Present · Bonifacio Global City, Philippines

Software Engineering Lead (Feb 2025 – Present) · Software Engineer II (2023–2025) · Software Engineer I (2022–2023)

- **Partner directly with the CEO, Executive VP, and department heads** to translate business objectives into technical roadmaps, running concurrent development and automation projects with allocations from a single developer to a 4-person team. Delivered systems across **Warehouse, Servicing, Customer Service, Supply Chain, and HR** — ownership of the operating process end to end, not one slice of it.
- **Built Focus Intelligence, the company's first production AI agent platform, as sole engineer** — a coordinator agent (Vercel AI SDK / Eve + OpenAI) routing natural-language questions to permission-scoped specialist agents over customer-service and field-service data. **Zero to production AWS deployment in 15 days**, live behind Slack SSO.
- **Made the agent layer RBAC-safe by construction**: 12 typed tools across 2 specialist agents, each enforcing a per-module permission check before execution and carrying the caller's scope into every query — so no agent can surface data the signed-in user isn't cleared for. 15 permission modules, 72 automated tests.
- **Engineered the system against hallucination** — evidence-required answers, cross-source validation, explicit "unable to determine" fallbacks. Tools return pre-filtered structured slices instead of raw dumps, bounding token cost per turn. Correctly interprets Taglish (Tagalog-English) customer conversations.
- **Owned the platform end-to-end**: SST-provisioned ECS Fargate, load balancer, private RDS, Docker, and staged dev/prod GitHub Actions pipelines — plus off-hours scale-to-zero to cut idle compute and Langfuse/OpenTelemetry tracing on every LLM call.
- **Set the team's agentic development standard** — Claude Code and Codex as the primary build loop, MCP servers and reusable skills for repeatable context, and agent-facing repository specs that keep generated code reviewable. A 20,000-line TypeScript monorepo built and maintained by 3 engineers.
- **Led a 4-developer team on the Warehouse Fulfillment App** (Next.js, TypeScript, Prisma, PostgreSQL) serving 50+ premium brands and 300,000+ annual orders — **90 hours/month saved**; automated picking and packing on AWS Lambda bridged to the Microsoft Dynamics AX legacy system, fully replacing the manual process.
- Migrated a legacy C# .NET customer-service application to Next.js and TypeScript with **zero downtime and 30% higher servicing capacity**; optimized a Flask/SQLAlchemy backend for **80% faster responses**; rebuilt internal logistics tools on a shared component library, **saving 180 hours/month** across the supply chain team. Mentoring and code-review standards **cut production bugs 40%**.

Flowpass (flowpass.ph) — Founder & Sole Engineer · 2025 – Present · Marikina, Philippines

Seat-mapped event ticketing platform, built and operated solo · 3 productions · 2,830 tickets · ~₱2.4M processed

- Built the full stack alone — **Next.js, React, TypeScript, tRPC, Prisma, PostgreSQL, Better Auth** — covering live seat-map selection, QRPh payment verification, emailed QR tickets, and a real-time organizer dashboard.
- **UP Street Dance Club's Chosen Ground 19**: 3 events, 1,447 tickets, 1,000+ attendees in a single day; offline-tolerant camera QR scanning **cut entry queue time 80%** against the prior year's wristband process. Also delivered **4DK The Chase 3.0** (486 tickets, the origin production) and **Flavor Dance Studio's 2026 recital** (~₱300K).
- Also built and operate **flavordance.studio**, the studio's public booking platform (studio rental and class booking, availability rules, coach-fee configuration, admin panel) on the same stack. Onboard every client personally and own uptime during live events.

TECHNICAL SKILLS

AI & Agents: Vercel AI SDK / Eve, OpenAI, multi-agent coordinator–specialist architecture, tool calling, structured outputs, prompt and instruction design, anti-hallucination guardrails, Langfuse and OpenTelemetry LLM tracing, MCP servers, Claude Code, Codex

Frontend: React, Next.js, TypeScript, JavaScript, TailwindCSS, shadcn/ui, TanStack Query & Table, Zod

Backend: Node.js, tRPC, Prisma ORM, Better Auth, RBAC design, Python (FastAPI, Flask, SQLAlchemy), C#, .NET

Cloud & Data: AWS (ECS Fargate, Lambda, RDS, ALB, S3, Cognito), SST, Docker, Turborepo, GitHub Actions, CI/CD, Vercel, PostgreSQL, MSSQL, MySQL

EDUCATION

B.S. Computer Science, Minor in Data Science · 2022 · GPA 3.82

Technological Institute of the Philippines, Quezon City · Awarded a 4-year, 80% academic scholarship for grades.