

Bain Hansly Cruz

Full-Stack Software Engineer

Philippines | (+63) 977 747 8992 | cruzbainhansly@gmail.com | bain-404.vercel.app | github.com/bain-dot-dev

Full-stack software engineer specializing in React, Next.js, TypeScript, and PostgreSQL, with experience building scalable marketplace and enterprise systems. Proven ability to develop production-ready applications, optimize performance, and implement secure architectures. Focused on delivering data-driven, user-centric solutions that improve efficiency and engagement.

TECHNICAL SKILLS

Languages: JavaScript · TypeScript · Python · Java · PHP

Frontend: React · Next.js · Tailwind CSS

Backend: Node.js · Flask · Laravel · REST APIs

Databases: PostgreSQL · MySQL · MongoDB · Supabase

Tools & Other: Git · Docker · CI/CD · GitHub Actions · Vercel · JWT · OAuth · RBAC · WebSockets · Stripe API · ETL · AWS S3

Professional: Problem solving & debugging · System design & architecture · Performance optimization · Agile & Scrum · Cross-functional communication

EXPERIENCE

Full-Stack Developer · *SUpost — Stanford University Marketplace*

Jul 2025 – May 2026

- Built and deployed full-stack marketplace platforms (Next.js, React, TypeScript, Supabase/PostgreSQL) enabling real-time buying, selling, messaging, and payments across university users.
- Architected multi-schema PostgreSQL databases (RLS, RPCs, indexing) to support secure, scalable marketplace operations.
- Developed real-time messaging (WebSockets, Supabase Realtime) supporting direct/group chats, read receipts, typing indicators, reactions, and file attachments.
- Engineered ETL pipelines (Python, SQL, GitHub Actions) and automated data workflows for migration, ingestion, and system interoperability.
- Integrated Stripe subscription workflows and AWS S3 for secure payments and scalable media handling.
- Implemented authentication and authorization (JWT, .edu verification, Supabase Auth, RBAC, RLS) ensuring secure, role-based access.
- Built search and filtering (PostgreSQL Full-Text Search, pagination, caching) improving product discovery and engagement.
- Implemented advanced state management (Zustand, TanStack Query) with caching and optimistic updates to reduce API load.
- Built admin and moderation systems (audit logs, spam detection) improving platform safety and operational control.
- Led SEO optimization and mentored developers within agile sprint workflows and code review processes.

Software Engineer · *JLabs*

Dec 2025 – Mar 2026

- Developed and maintained full-stack features (React, Laravel, Flutter, REST APIs) across web, mobile, and backend systems.
- Implemented payment and subscription monitoring systems, improving failed payment detection and data consistency.
- Built admin dashboards and reporting tools, improving operational visibility and business decision-making.
- Implemented business-critical logic (RBAC, referrals, giveaways, subscriptions) and improved data sync across distributed services.
- Diagnosed and resolved production issues (API failures, crashes, data inconsistencies), reducing recurring incidents.

Full-Stack Developer · *3R Shane Rice Mill*

Sep 2024 – Sep 2025

- Built a full-stack inventory and POS system (Next.js, PostgreSQL, Prisma) reducing manual errors and improving operational efficiency.
- Designed normalized relational database schema and built real-time analytics dashboard (Recharts) for sales tracking.
- Implemented RBAC system, on-premise deployment, procurement module, and secure authentication with token recovery.
- Delivered user training and onboarding for 10+ staff, achieving full system adoption within one week.

Full-Stack Developer / DevOps · *NEUST*

Jan 2025 – Jun 2025

- Built a schedule management system (Next.js, Flask, PostgreSQL) automating faculty and classroom scheduling with conflict detection.
- Designed RBAC security model, optimized backend queries, and developed responsive UI (Tailwind CSS, Figma).
- Deployed with Docker across multiple environments; resolved post-deployment bugs and conducted staff onboarding.

PROJECTS

Inventory Management System (POS)

- Full-stack IMS with POS integration using Next.js, PostgreSQL, Prisma ORM, and Tailwind CSS, deployed for business use.
- Built analytics dashboard (Recharts), RBAC, and purchase order/approval workflows to streamline procurement.

NEUST Schedule Management App

- Scheduling system using Next.js, Flask, and PostgreSQL automating faculty and classroom assignment with conflict detection.
- Deployed via Docker with schedule export/printing features; reduced manual scheduling workload and human error.

EDUCATION

BS Information Technology

2021 – 2025

Nueva Ecija University of Science and Technology

CERTIFICATIONS

IT Specialist – Databases (Certiport, 2023)

IT Specialist – HTML & CSS (Certiport, 2024)

LANGUAGES

English: Professional proficiency

Filipino: Native proficiency