

Francis Beam Santander

Software Engineer

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EXPERIENCE

Full-Stack Developer

Jul. 2025 – Present

Elite Software and Data Security, Inc.

- Designed and architected the database schema and system integration layer for a **Crew Management System (CMS)**, coordinating data flow across web, middleware API Gateway, and mobile-consuming services.
- Built a centralized **API Gateway** that decoupled core microservices (Vessel API, Ship Visitation Reporting) from direct database access, improving service isolation, scalability, and long-term maintainability.
- Authored and maintained API specifications and integration documentation, streamlining onboarding for downstream engineering teams and reducing cross-service integration issues.
- Developed backend and frontend functionality for the **Ship Certificate Management System**, including user activity logging, an in-app notification system, and a password waiver security feature.
- Engineered core modules of **KRBS Payroll**, an internal payroll system, using Laravel (PHP) for the backend and Nuxt 3 / Vue 3 (TypeScript) for the frontend, building interconnected components for employment history, regularization, and separation workflows.
- Designed end-to-end UI/UX in Figma for **KOCS v2.0**, an internal circular and document management system, covering multi-role workflows for crew, admins, manning staff, and principals.
- Delivered UI/UX design for **KRBS Payroll**, prioritizing accuracy, clarity, and usability for sensitive financial data entry and processing.

Software Engineer

Oct. 2023 – Jul. 2025

ViewQwest

- Partnered with cross-functional teams and business analysts to gather requirements and deliver accessible, standards-compliant features across multiple product release cycles.
- Built and maintained scalable **full-stack web applications**, owning features end-to-end from design through deployment while maintaining clean, maintainable codebases.
- Designed and refined reusable frontend UI components, bridging engineering and design to deliver consistent, high-performance user experiences.
- Established **integration and load testing** workflows to proactively monitor, troubleshoot, and maintain application reliability at scale.
- Improved backend performance through **query optimization**, reducing response times and increasing scalability across high-traffic API endpoints.

PROJECTS

Local Po – Online Job Portal | React, TypeScript, Tailwind CSS, Mantine UI, Laravel, MySQL

- Built a full-stack online job portal with dual-dashboard workflows for job seekers and employers.
- Implemented a structured pipeline-staging system to track real-time hiring stages and applicant progression.

RJ Avancena – Inventory & POS System | React, TypeScript, Redux Toolkit, TanStack Query, Shadcn UI, Laravel, MySQL

- Built a point-of-sale platform featuring an automated promotional voucher code system and instant checkout payment summaries.
- Designed analytical dashboards to aggregate and track weekly, monthly, and annual sales data, including historical logs for voided and settled transactions.
- Developed an inventory management module supporting batch product imports, dynamic stock tracking, and role-based user permissions.

EDUCATION

Bachelor of Science in Information Technology

Bulacan State University – Sarmiento Campus

2019 – 2023

Bulacan, Philippines

TECHNICAL SKILLS

Languages : JavaScript, TypeScript, PHP, SQL, HTML, CSS

Frameworks/Libraries : React.js, Next.js, Vue.js, Nuxt 3, React Native, Node.js, Express.js, Laravel, Tailwind CSS, Redux, Bootstrap

Databases : MySQL, MariaDB, Redis, Supabase, Appwrite

DevOps & Infrastructure : Docker, Nginx, Linux

Tools & Platforms : Git, GitHub, Postman, Cypress, Figma, WordPress, Claude Code

Project & Business Tools : Jira, Salesforce, Zuora