

# Francis Beam Santander

Software Engineer

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## EXPERIENCE

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### Full-Stack Developer

Jul. 2025 – Present

*Elite Software and Data Security, Inc*

- Architected the database schema and system integration layer for a **Crew Management System (CMS)**, defining data flow across web, middleware API Gateway, and mobile-consuming services.
- Engineered a centralized **API Gateway** that decoupled core microservices (Vessel API, Ship Visitation Reporting) from direct database access, improving service isolation and long-term maintainability.
- Collaborated cross-functionally to document API specifications, enabling consistent integration across downstream consumers and reducing developer onboarding time.
- Contributed to the **Ship Certificate Management System** by building user activity logging, an in-app notification system, and a password waiver security feature across backend and frontend.
- Designed end-to-end UI/UX in Figma for **KOCS v2.0**, an internal circular and document management system-covering multi-role flows for crew, admins, manning staff, and principals.
- Designed the UI/UX workflows for **KRBS Payroll**, an internal payroll system, delivering accuracy-first layouts suited for sensitive financial data entry and processing.

### Software Engineer

Oct. 2023 – Jul. 2025

*ViewQwest*

- Collaborated with cross-functional teams and business analysts to gather requirements and ship accessible, standards-aligned features across multiple product cycles.
- Built and maintained scalable **full-stack web applications**, owning features from design to deployment while ensuring clean, maintainable codebases.
- Drove frontend quality by designing and refining 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 system scalability across high-traffic endpoints.

## PROJECTS

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**Local Po (Online Job Portal)** | React, TypeScript, Tailwind CSS, Mantine UI, Laravel, MySQL

- Developed a full-stack online job portal with dual-dashboard user flows for job seekers and employers.
- Implemented a structured staging system to track real-time hiring pipelines and applicant progression states.

**RJ Avancena (IMS & POS)** | React, TypeScript, Redux Toolkit, TanStack Query, Shadcn UI, Laravel, MySQL

- Built a flexible operational core 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 with complete historical logs for voided and settled transactions.
- Implemented an inventory module for batch importing products, overseeing dynamic stock quantities, and controlling role-based user app permissions.

## EDUCATION

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**Bachelor of Science in Information Technology**

*Bulacan State University – Sarmiento Campus*

2019 – 2023

Bulacan, Philippines

## TECHNICAL SKILLS

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

**Frameworks/Libraries** : React.js, Next.js, Vue.js, 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

**Project & Business Tools** : Jira, Salesforce, Zuora