James Boac

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Professional Summary

Full-stack developer with expertise in creating complex healthcare web applications. Independently designed and developed a comprehensive multi-tenant veterinary clinic management system from concept to deployment in just 6 months. Proficient in modern JavaScript frameworks, complex database design, and cloud infrastructure with a focus on scalable, enterprise-grade solutions.

Skills

- Frontend: React.js, Vite, TanStack Query, TanStack Table, Context API, Tailwind CSS, Shadcn UI, Chart.js

- Backend: Node.js, Express.js, REST APIs, OAuth 2.0, JWT, node-cache

- Database: PostgreSQL, Materialized Views, pg_cron, Data modeling, Query optimization

- DevOps/Cloud: Digital Ocean (App Platform, Managed Database, Object Storage), Git/GitHub

- Architecture: Multi-tenant design, Role-based access control, Workflow state management

- Integrations: SMTP2GO (email/SMS), PDF generation, QR codes, E-signatures, Google OAuth

Work Experience

Full Stack Developer   **October 2024 - May 2025**
Endsofttech Web Solutions

- Veterinary Clinic Management System (Vet Assist App)

Led the end-to-end development of a multi-tenant veterinary clinic management system, handling all aspects from architecture design to cloud deployment.

Key Achievements:

- Architected and implemented a complete clinic management solution serving multiple independent clinics with customizable configurations

- Designed and built a sophisticated PostgreSQL database schema with materialized views and scheduled jobs (pg_cron)

- Implemented complex appointment workflows with 10 distinct statuses and dual paths for standard and inpatient cases

- Developed interconnected modules for customer management, medical records, staff scheduling, inventory control, and financial tracking

- Created a comprehensive appointment dashboard with staff assignment, medical documentation, comparative pet statistics, and prescription management tied to inventory

- Built an advanced invoicing system with automated service-to-invoice conversion, configurable tax settings, and PDF exports

- Integrated QR code identification system for pets with customizable privacy controls

- Implemented e-signature capabilities for service waivers and medical consents

- Optimized application performance using React Query, materialized views, and strategic caching

- Deployed the complete solution on Digital Ocean with managed database and object storage

Education

Bachelor of Science in Information Systems   **Graduation: 2024**

Dr. Filemon C. Aguilar Memorial College of Las Pinas