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, JavaScript, TanStack Query/Table, TailwindCSS, Shadcn UI, Vite
- Backend: Node.js, Express.js, REST APIs, OAuth 2.0, JWT, node-cache, Event Emitter 2
- Database: PostgreSQL, Materialized Views, pg_cron, Data modeling, Query optimization, MongoDB, NeonDB
- DevOps/Cloud: Digital Ocean, Vercel, AWS S3 Bucket, GitHub
- Tools & Services: Figma, Maya, PayPal, SMTP2GO, Google OAuth
- Architecture: Multi-tenant design, Role-based access control, Workflow state management

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 launched a scalable, multi-tenant veterinary clinic management platform enabling independent clinics to operate with customizable configurations.
- Engineered a PostgreSQL database schema utilizing materialized views and automated scheduled jobs (pg_cron) for high-performance data processing and reporting.
- Integrated AWS S3 to securely store pet images, medical records, and generated PDFs, improving data durability and optimizing storage costs.
- Implemented comprehensive appointment workflows supporting 10 unique statuses with dual pathways for standard and inpatient cases, enhancing care tracking.
- Created a unified appointment dashboard with real-time staff assignment, medical documentation, pet analytics, and prescription management linked to inventory.
- Developed interconnected modules for customer relations, medical records, scheduling, inventory management, and financial operations that streamlined clinic processes.
- Designed a role-based task management system with Kanban-style interface using TanStack Table, supporting recurring tasks with automatic event generation and flexible repeat settings.
- Built an automated invoicing system with service-to-invoice conversion, configurable taxes, and PDF export functionality, reducing billing errors.
- Implemented QR code pet identification with privacy controls and e-signature workflows for service waivers and consents.
- Optimized application performance using React Query, materialized views, and strategic caching for faster load times and responsive user experience.
- Deployed full-stack solution on DigitalOcean with managed databases and object storage, ensuring security, availability, and scalability.

Education

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

Dr. Filemon C. Aguilar Memorial College of Las Pinas