Justine L. Castaneda

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EXPERIENCE

Full Stack Developer   May 2025 – Feb 2026
RSB Consulting Inc. | Makati, Philippines

- Designed and implemented full-stack features across Centhris modules including Core HR, Payroll, Finance (COA/AR/AP), Attendance and Scheduling, and Project Management.
- Architected Laravel backend services using queues, events, observers, caching layers, API resource patterns, and modular service classes to support scalable business workflows.
- Built responsive, maintainable frontend interfaces with Nuxt 3, Vue 3, Pinia, and typed composables, improving UI consistency and code reuse across modules.
- Implemented real-time capabilities using Soketi, Pusher, and Laravel Echo for instant user updates on scheduling and HR operations.
- Developed automated testing suites using Vitest (unit/integration), Playwright (E2E), and PHPUnit (backend), reducing regressions in mission-critical systems.
- Containerized development environments using Docker, Traefik, Portainer, Lando, MinIO, Mailhog, and Nginx, significantly improving onboarding and workflow reliability.
- Managed AWS deployments via EC2, S3, RDS, and Elastic Beanstalk, ensuring smooth rollout of backend and frontend services.
- Implemented CI/CD pipelines with GitHub Actions and Jenkins to automate testing, code quality checks, and deployment workflows.
- Designed workflow automations using n8n for syncing processes, notifications, and scheduled maintenance tasks, reducing manual operations.

Technical Solutions Lead   Aug 2024 – Present
Jesus Christ the Awesome God Church (Volunteer) | Santa Rosa City, Calabarzon, Philippines · Hybrid

- Identified operational bottlenecks and architected custom software solutions to modernize church administration and member engagement.
- Led the full development lifecycle from requirements gathering to deployment and ongoing maintenance.
- Developed and launched a Church Management System (CMS) used by 120+ weekly active users (leadership, volunteers, and members), digitizing membership profiling and streamlining attendance monitoring to provide real-time data for church leadership.
- Engineered a proposal generation tool to standardize event planning, automating the drafting and email distribution of project proposals to administration and significantly reducing manual data entry and accelerating approval times.
- Collaborated with non-technical stakeholders to define product requirements, conduct user training, and iterate on features based on user feedback.

Junior Marketing Technology Developer   Jul 2024 – Feb 2025
Altus Digital | Remote — Melbourne, Australia

- Developed SQL-driven segmentation, AMPscript personalization, and automated customer journeys within Salesforce Marketing Cloud.
- Built internal extensions and tooling to optimize campaign execution and reduce repetitive tasks.
- Improved email automation reliability and reduced workflow execution time through optimized logic and segmentation.

Full Stack Developer Intern / Project Manager   Feb 2024 – May 2024
MyDreamVisa LLC | Remote — Florida, USA

- Refactored Vue.js application from Options API to Composition API and migrated the entire codebase to TypeScript for improved maintainability.
- Built reusable Tooltip and Onboarding systems used across multiple pages and features.
- Promoted to Project Manager; led two developers, planned sprints, and ensured timely delivery of major product milestones.

EDUCATION

B.S. Information Technology   2024

Polytechnic University of the Philippines – Sta. Rosa, Laguna, Philippines

PROJECTS

CentHRIS/Finance Platform | Laravel, Nuxt, PostgreSQL, Docker, AWS
- Engineered payroll computation modules, tax rules, COA workflows, AR/AP processes, and scheduling logic for a multi-module HRIS ecosystem.
- Developed reusable frontend frameworks using shared UI components, composables, and organized state management patterns.
- Built workflow automation in n8n for syncing, notifications, and background tasks, reducing operational overhead.
- Improved reliability through automated test coverage using Vitest, Playwright, and PHPUnit.

B2B Partner Management Portal | Next.js, TypeScript, Strapi CMS, PostgreSQL, Docker, Socket.io
- Architected a production-grade full-stack B2B portal using Next.js 14 App Router, TypeScript, Strapi CMS, and PostgreSQL 16, containerized with Docker Compose across 3 networked services with health checks and volume persistence.
- Designed a 5-layer custom middleware stack with JWT verification, IP/user-based rate limiting, correlation ID propagation, and structured logging; deployed via Cloudflare Tunnel and Nginx reverse proxy for zero-trust production access.
- Engineered a real-time messaging system via Socket.IO with JWT socket middleware, user-scoped room management, and WebSocket/polling dual transport; built an in-app notification layer wired to order lifecycle events.
- Developed 26 REST API routes across 16 content-type modules (orders, inventory, invoicing, messaging, notifications) with Strapi lifecycle hooks and a custom onboarding progress endpoint; maintained 218 passing assertions across 37 Vitest test files.

Church Management System (CMS) | Next.js, Node.js, Docker, Cloudflare, Traefik
- Architected and delivered a centralized platform serving 120+ weekly active users, with modules for membership profiling, attendance monitoring, and role-based access for leadership, volunteers, and members.
- Engineered a real-time attendance tracking system and member profiling database, replacing manual processes and surfacing live data dashboards for church leadership decision-making.
- Built a proposal generation and automated email distribution tool, standardizing event planning workflows and eliminating manual data entry from the approval process.

TECHNICAL SKILLS

Frontend: Nuxt 3, Vue 3, React, Composition API, Pinia, TailwindCSS, TypeScript, Component Architecture, State Management

Backend: Laravel, Node.js, Express, REST API Design, Service Classes, Queues, Events, Observers, Caching, RBAC

Databases: PostgreSQL, MySQL, Supabase, Query Optimization, Schema Design

Testing: Vitest (unit/integration), Playwright (E2E), PHPUnit (feature/unit)

DevOps / Cloud: Docker, Traefik, Portainer, Cloudflare Tunnels, Lando, MinIO, Mailhog, AWS (EC2, S3, RDS, Elastic Beanstalk), GitHub Actions, Jenkins

Automation & AI: n8n Workflow Automation, OpenAI (ChatGPT), Anthropic Claude, Google Gemini, GitHub Copilot, OpenRouter

Other Tools: Jira, Postman, Git, Nginx