Robert Federico

Full-Stack Developer

LinkedIn:
linkedin.com/in/robert-federico
GitHub: github.com/robertfederico
Quezon City, Philippines

09959459297
robertbfederico@gmail.com

Full-Stack Developer with 5yrs building 15+ production apps. Expert in Laravel, Vue 3. Specializes in API development, ecommerce & CRM platforms.

Technical Skills

Backend Development - Laravel, PHP, Node.js, Express.js, RESTful APIs, WebSockets

Frontend Development - Vue 3, Nuxt 3, TypeScript JavaScript, Tailwind CSS, Ionic, Capacitor, Wordpress

Database Management - MySQL, SQLite, Query Optimization Database Design

Payment Integration - Maya, PayMongo, PayPal, Stripe, DragonPay, Paynamics

3rd Party APIs - OpenAI, Claude, AWS Bedrock, AWS Titan, Google Maps API, ZOHO CRM, Lalamove, Social Login (OAuth2)

Tools - Git, Postman, Testing(PHPUnit, Pest), Typesense

Experience

PRAXXYS SOLUTIONS, INC. - Backend Developer
December 2021 - PRESENT, Quezon City, Philippines

Spearheaded the end-to-end development and deployment of over 15 web and mobile applications, 13 of which were successfully launched into production across diverse domains including:

- E-commerce & Retail
- Healthcare & Medical
- Customer Relationship Management
- Logistics & Delivery
- Inventory & Asset Management
- Accounting

- Survey & Data Collection
- Internal Business Systems

Key Projects & Achievements:

- **AI-Powered CRM System**: Developed a Retrieval-Augmented Generation (RAG) chatbot using AWS Bedrock and Typesense for vector search, integrated into a CRM system for an Australian cybersecurity client. The chatbot delivered business intelligence insights on leads, reducing manual research time significantly.
- **Healthcare E-commerce Platform**: Built platform for a German multinational pharmaceutical company, featuring AI-driven prescription detection powered by Claude API, which automated 80% of manual prescription verifications and improved fulfillment speed.
- **Logistics Platform**: Engineered multi-platform system (web, admin dashboard, mobile apps) for Philippines' leading bottled water brand, serving 1,000+ daily active users. Features included real-time tracking, dynamic routing, automated dispatch optimization, and integrated chat between customers and delivery riders.
- **Accounting System**: Developed core accounting modules for Philippine government agency including general ledger, accounts payable/receivable, and financial reporting. Implemented automated report generation, RBAC for data security, and optimized database queries for high-volume financial transactions.
- **Luxury Retail Platform**: Developed multi-platform architecture for luxury retail brand housing COMME des GARÇONS PLAY, Fred Perry, and others. Built real-time chat using WebSockets, designed CRM functionality for a sales app, implemented a comprehensive RBAC system, integrated payment gateways and courier APIs, and built analytics dashboards for business metrics.
- **API Integration Expertise**: Successfully integrated 20+

external APIs including payment processors, courier services, CRM systems (ZOHO), and AI/LLM services, streamlining business operations across all projects.

Technologies: Laravel 8-12, Vue 3, Nuxt 3, Ionic/Capacitor, TypeScript, MySQL, Redis, WebSockets, Node.js

SETUP PHILS - Web Developer
JULY 2020 - DECEMBER 2021, Sun Jan City, Philippines

Web Developer for a UK Client

WordPress Development:

- Built custom themes using PHP, HTML5, CSS3, and JavaScript following WordPress coding standards
- Implemented RESTful API integrations connecting WordPress sites with ActiveCampaign for lead management
- Maintained 10+ client websites including security updates, plugin compatibility fixes, and content management

API Integration & Development:

- Integrated ActiveCampaign CRM for automated email marketing and lead capture forms
- Developed webhook handlers to process real-time data from ActiveCampaign events
- Maintained and enhanced internal PHP APIs including endpoint optimization and error handling
- Integrated Brazen API for virtual event management and webinars

Database Management:

- Designed database schemas with GDPR data retention policies in mind
- Implemented MongoDB for storing unstructured data from API integrations

- Built custom reporting queries to extract business insights for analytics

Technologies: Laravel, Vue.js, PHP, WordPress, Drupal, MySQL, MongoDB, ActiveCampaign API

LOPHILS INC. - Junior QA Specialist (Intern)
DECEMBER 2019 - FEBRUARY 2020, Quezon City, Philippines

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Education

STI College - Bachelor of Science - BS, Information Technology
JUNE 2016 - MA 2020, Quezon City

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Key Achievements

Key Achievements:

- Delivered 15+ production applications with 13 successfully launched
- Integrated 6 payment gateways (Maya, PayMongo, PayPal, Stripe, DragonPay, Paynamics) with secure webhook handling
- Built offline-first mobile POS system processing 500+ daily transactions
- Developed healthcare e-commerce platform with AI-powered prescription detection using Claude API
- Developed multi-platform logistics system serving 500+ daily active users
- Implemented RAG chatbot using AWS Bedrock & Typesense vector search for CRM system
- Improved application performance by introducing Nuxt 3 SSR
- Successfully integrated 20+ third-party APIs including payment processors, courier services, CRMs, and AI/LLM services

Additional Skills

Payment Gateway Expertise

- Integrated 6+ payment providers
- Built webhook handling systems with idempotency

API Development Mastery

- Created and maintained RESTful APIs
- Implemented authentication (OAuth2, JWT, API Keys)
- Built comprehensive API documentation

AI/LLM Integration

- RAG architecture implementation
- Vector search with Typesense
- Natural language processing for business intelligence
- Tech Stack: AWS Bedrock, AWS Titan, Node.js, Express