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PROFESSIONAL SUMMARY

Full-stack software engineer with a strong focus on backend systems, API design, and automation pipelines. Experienced building scalable web and mobile applications across e-commerce, ERP, and media production domains. Proficient in Python (FastAPI, Django), Ruby on Rails, and Node.js on the backend, with solid frontend experience in React, React Native, Next.js, and TypeScript. Hands-on with REST APIs, background job systems (Sidekiq, Celery), cloud infrastructure (AWS, Docker, Kamal), CI/CD, and multi-marketplace integrations (Amazon, Walmart, eBay). Built end-to-end automation workflows for order processing, inventory sync, pricing, and operational data flows. Also develop AI-powered applications using RAG, LLM integrations, and vector search to deliver production-ready user experiences.

TECHNICAL STACK

- Frontend: React, React Native, Next.js, Expo, TypeScript, NativeWind, Tailwind CSS
- Backend: Python (FastAPI, Django, Flask), Ruby on Rails
- Data: PostgreSQL, MySQL, SQLite, Elasticsearch, Redis
- Infrastructure/Testing: AWS, Docker, Nginx, Celery, CI/CD, Pytest, Jest, Playwright
- AI/LLM: OpenAI, Anthropic, Gemini, CrewAI, LangChain
- Auth: OAuth2/OIDC, JWT
- Integrations: Amazon, Walmart, eBay, EasyPost, Stripe, Xero, supplier APIs

INNOVATION & SIDE PROJECTS

- AI Tutor App: Built an AI-powered board exam study platform using RAG to deliver grounded answers from uploaded study materials. Designed the ingestion-to-retrieval pipeline, including chunking, embeddings, vector search, and LLM-powered tutoring and mock exam generation.
- AI-Driven Customer-Finding Agent: Collaborated on LLM-powered bots for customer discovery, data processing, and workflow support, helping automate lead identification and order reconciliation.
- Applied Innovation: Regularly prototype AI, automation, and developer productivity tools, focusing on clean architecture, maintainability, and practical business value.

WORK EXPERIENCE

Full Stack Software Engineer | Gridiron ERP System Robotics | Jan 2025 - Present

- *A Robotics-Based ERP System that connects suppliers with online marketplaces, enabling them to list and sell their own inventory through a centralized platform. Unlike a dropship model, suppliers retain ownership of their products; the ERP handles catalog management, real-time inventory sync, marketplace listing, order processing, and fulfillment automatically. Applied and extended the same pipeline patterns built at Gridiron Tire, now productized as a scalable multi-tenant platform.*

Responsibilities:

- Built a cross-platform POS system (React Native, Expo, TypeScript) with Stripe checkout, barcode scanning, receipt generation, customer management, and real-time search. Deployed via Docker and EAS for mobile
- Developed the POS backend API with FastAPI, PostgreSQL, Elasticsearch, and Redis. Implemented multi-tenant architecture, OIDC auth, Celery tasks, e-commerce integration, CRM sync, and SFTP feed delivery
- Created an API Integration Portal using Next.js with TypeScript for API key management, feed configuration, customer oversight, and analytics, connected through OIDC auth
- Developed a multi-tenant marketplace integration service (Django) connecting the e-commerce platform with eBay and Walmart. Handles order ingestion, product listing sync, fulfillment tracking, and cancellation propagation with per-tenant OAuth2 token management
- Took over and stabilize an event-driven ERP middleware (Django, Celery, Redis) that syncs the inventory system, e-commerce platform, and CRM through webhooks and API integrations. Added test coverage, fixed bugs, and built warehouse placement services
- Enhanced a pre-production management platform by adding features, fixing bugs, and integrating APIs for AI-powered screenplay breakdown, storyboard editing, and PDF import. Backend runs on FastAPI with multi-LLM support
- Built MCP servers for AI endpoints to enable CrewAI agent orchestration across ERP services for automated task execution and data processing
- Managed deployments across all services using Kamal and Docker on AWS, handling zero-downtime deployments, SSL provisioning, and container orchestration on production servers. Deployed the POS mobile app via Expo EAS (iOS/Android builds and OTA updates)

- Set up observability and monitoring across services using Sentry for error tracking and Grafana for metrics and dashboards
- Maintained CI/CD pipelines using GitHub Actions for automated testing, building, and deployment across all services
- Maintained modular architecture and documentation across all services

Full Stack Web Developer | Gridiron tire | May 2016 – Dec 2024

- *Built and maintained an end-to-end automated dropship pipeline in Ruby on Rails as the platform transitioned from an e-commerce storefront to a fully automated dropship operation, covering supplier catalog ingestion, real-time inventory sync, marketplace order processing, automated shipping, and fulfillment confirmation. Later ported and adapted core pipeline logic into modular Python services using Django to support scalability and reuse.*

Responsibilities:

- Designed a service-oriented monolith with isolated pipeline modules (product onboarding, inventory sync, order routing, and fulfillment) communicating through Sidekiq jobs and Redis queues
- Built supplier catalog ingestion pipelines to normalize and persist tire and parts data from multiple distributors into PostgreSQL
- Implemented real-time supplier inventory sync to pull stock feeds and push updates to marketplace APIs (Walmart, eBay, Amazon), reducing overselling
- Developed scheduled order pull jobs to ingest customer orders from all marketplaces and route them to the correct supplier via API call or EasyPost-generated shipping label
- Implemented an EasyPost webhook listener to receive real-time tracking events and automatically confirm shipment fulfillment across marketplaces
- Built retry queues with dead-letter handling for failed API calls across all pipeline stages
- Built an internal operations dashboard using React to monitor pipeline health — displaying supplier inventory sync status, order routing activity, marketplace feed updates, and failed job alerts across all integrations
- Ported and reimplemented core pipeline modules in Python using Django, enabling reuse of the inventory sync and order routing logic across services
- Integrated marketplace and third-party APIs: Walmart Marketplace, Walmart DSV, eBay, Amazon, EasyPost, FedEx, Stripe, Authorize.net, PayPal, Plaid, Xero, Google API, and Dexi.io

- Created automated test suites using Capybara, Minitest, and Poltergeist; performed QA and code reviews
- Deployed and maintained services on AWS using Docker, Ansible, and Bitbucket Pipelines CI/CD; monitored with Sentry and Grafana

Team Lead/Senior Web Developer at Greymouse (simPRO Software) | May 2015 – Apr 2019

- *A SaaS-based job management software.*

Responsibilities:

- Team Lead Web developer for simPRO's Custom solutions team (PH).
- Handles front-end and back-end customization request for clients build.
- Handles bug fixes.
- Handles migration of customize features that will be compatible with the application's new version.
- Contributed on both frontend and backend development for an internal project called CDB.
- Handles SMS API Integration
- Conduct code reviews, perform testing, and ensure quality before deployment to client builds.

Web Developer at Key Location Pte Ltd (keylocation.sg) | Nov 2014 – Aug 2015

- Keylocation.sg is Singapore's only site dedicated to providing key location data about the city's condo apartments, their facilities and amenities from a rental.

Responsibilities:

- Solving/fixing issues and adding new features to the site.
- Handled both back-end and front-end development
- Handled creation of automated tests

Web Developer at Mayon Volcano Software Ltd. | May 2014 – May 2015

Responsibilities:

- Maintained WordPress built websites for our client national or international based
- Led the construction of the client's new local news websites

- Responsible for the data migrations of the client's 5-year-old custom web CMS to the new WordPress site.
- Responsibilities also included requirements gathering, implementing features, bug fixing, testing, maintaining websites and administering servers.
- Handled both back-end and front-end development
- Created Full cycle sites for our clients from Wireframe to PSD to HTML to WordPress
- Handles DFP Google ADS implementation to the client's website

Web Application Developer at GleeHQ (gleehq.com) | May 2015 – Dec 2015

Responsibilities:

- Handled both back-end and front-end development
- Developed and tests the front-end side of the web application
- Worked closely with the back-end team for API Integration

TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY | APR 2013 – May 2013

College Internship:

- Ran general office errands.
- Assigned to create the Management Information Systems using VB.net, PHP, and SQL
- Performs basic Trouble shooting of computer errors and basic networking.

SISON CORILLO PARONE & CO. (IT DEPARTMENT) | | Mar 2010 – May 2010

College Internship:

- Ran general office errands for the Supervisor.
- Participated on the creation of payroll system using VB.net and SQL server database.
- Assigned to handle their client's audit thru an invoice-related software.
- Trouble shooting of basic computer errors and basic networking.

EDUCATION

Aquinas University – College of Polytechnic Institute
Bachelor of Science in Computer Science (2010-2014).

Informatics Computer Institute, Legazpi City
Advance Diploma in Information Technology (2008-2010).

AWARDS AND ACHIEVEMENTS

- NCII Computer Hardware Servicing.
- Participated on the Ateneo Programming Challenge 2012 - Part of team Aquinas University.
- Certificate of Achievement - |Class Achiever Rank 3| Informatics Computer Institute.
- Certificate of Achievement - |Class Achiever Rank 4| Informatics Computer Institute.
- PGMA Award of Outstanding Achievement – Skills Development and Entrepreneurship.
- Class Salutatorian (High school).