

ALFRED ANTHONY REYES

Full-Stack Software Engineer | *AI-Augmented Development & Multi-Agent Orchestration*

Calamba City, Laguna, Philippines • +63 956 922 6033 • aajreyes1996@gmail.com • linkedin.com/in/alfred-anthony-reyes-0375ab303

PROFILE

Full-stack software engineer with 7+ years building production systems, specializing in **AI-augmented development workflows**. Daily user of Claude Code since launch, with hands-on experience designing **multi-agent architectures** (16-agent specialist systems with orchestrator-coordinator patterns, BMAD methodology, MCP server integration) for solo-developer leverage on enterprise platforms. Shipped a production logistics platform serving 100+ users as sole developer using .NET Core, Angular, and PostgreSQL—accelerated end-to-end by agentic AI workflows. Strong CI/CD discipline via GitHub Actions, Microsoft ecosystem expertise across .NET and Power Platform, and a track record of using AI tooling to deliver enterprise outcomes typically requiring a full engineering team.

AI ENGINEERING & AGENTIC DEVELOPMENT

Production experience designing and operating agentic AI development workflows for solo-engineer leverage on enterprise systems.

AI Tools (Daily Use): Claude Code (CLI + subagents, since launch), GitHub Copilot, MCP servers, Claude API, Claude Cowork

Agent Architecture: Multi-agent orchestration, orchestrator-coordinator patterns, BMAD methodology, specialist sub-agent design, PRD-driven development, agent memory seeds, user-level vs project-level agent separation

Workflow Practices: Prompt engineering, context window management, agent chaining, Ralph state management, Claude-Mem session continuity, AI-assisted code review, AI-driven refactoring at scale

Applied AI in Production: AI-augmented solo development of enterprise platforms, AI Builder integration, OCR pipelines (Tesseract, Windows OCR), self-hosted LLM evaluation (Llama, Mistral, Qwen) for security-sensitive contexts

TECHNICAL SKILLS

Backend: C# .NET Core 9, ASP.NET Web API, Entity Framework Core, SignalR, REST API design, JWT/RBAC authentication, CQRS, Node.js, TypeScript, Apollo Server (GraphQL), Prisma, Sequelize

Frontend: Angular, React, TypeScript, Vite, Tailwind, NativeWind, Progressive Web Apps, Ant Design

Database: PostgreSQL (optimization, migrations, query tuning, row-level security), SQLite, multi-tenancy patterns

DevOps & Cloud: GitHub Actions CI/CD, Ubuntu VPS, nginx, Docker (learning), Azure AD / Entra ID

Microsoft Stack: Power Apps, Power Automate, Power BI, AI Builder, PowerShell, VBA, Microsoft Graph API, Active Directory

Mobile: React Native + Expo, Quagga2 barcode scanning, Tesseract.js OCR

Infrastructure: Windows Server, AD/DNS/DHCP, dual-ISP load balancing, VPN firewall configuration

PROFESSIONAL EXPERIENCE

IT Head & Solo Full-Stack Software Engineer — R.A. Reyes Customs Brokerage (RARR-ATR)2019 – Present

Manila, Philippines • One-person engineering + IT team for ~100 employees across customs brokerage, freight forwarding, and e-commerce logistics operations.

- **Solo-built and operated** the RARR Logistics Platform—a production system serving ~100 employees across customs brokerage, freight forwarding, and e-commerce logistics—using C# .NET Core 9, ASP.NET Web API, Entity Framework Core, Angular, PostgreSQL, and SignalR on Ubuntu VPS with nginx and GitHub Actions CI/CD.
- **Architected a 16-agent Claude Code specialist crew** (planner, architect, business-analyst, product-strategist + execution specialists) enforcing orchestrator-as-coordinator patterns, used daily to accelerate feature delivery, refactoring, and code review across the .NET/Angular codebase.
- **Delivered an enterprise Power Platform automation suite** (Power Apps Canvas apps + 7 Power Automate cloud flows + SharePoint Excel) automating LCL truck scheduling, liquidation workflows, and document processing—reducing manual effort by ~80–90% across three brokerages without premium connectors.
- **Integrated e-commerce platforms** (Shopee API) with JWT-authenticated REST services, Microsoft Graph API for tenant identity, and SignalR for real-time warehouse scanning—built and maintained as a Progressive Web App with Quagga2 barcode scanning and Tesseract.js OCR for offline-first operations.
- **Engineered Windows OCR + PowerShell automation** for high-volume customs document processing (PDFs, voucher images, ATI receipts) including year-based archival, extended-length path support, and upfront PDF text extraction for sub-second matching across 10,000+ row reference databases.
- **Recovered enterprise infrastructure under pressure** after a Windows Server 2012 domain controller hardware failure; promoted a spare server as temporary DC, restoring AD, DNS, DHCP, and dual-ISP routing for the entire workforce.
- **Optimized legacy VBA workflows** for HS code classification by replacing per-cell operations with array-based group-level processing, reducing a 276-second batch runtime to under 10 seconds.

SELECTED PROJECTS

RARR Logistics Platform | *C# .NET Core 9 · Angular · PostgreSQL · SignalR · GitHub Actions*

- Production logistics platform serving 100+ users as sole developer. C# .NET Core 9, Angular, PostgreSQL, SignalR, JWT/RBAC, Shopee API integration, mobile PWA with barcode scanning.
- Built and maintained using a custom 16-agent Claude Code architecture; published reusable user-level planning agents at `~/claude/` to standardize delegation patterns across projects.
- Full GitHub Actions CI/CD pipeline for frontend, backend, and database deployments to Ubuntu VPS with nginx.

Vertical SaaS Studio Platform | *GraphQL · Node.js · Prisma · React + Vite · PostgreSQL RLS*

- Vertical SaaS studio platform under active development with a peer engineer: GraphQL (Apollo Server), Node.js, TypeScript, Prisma, PostgreSQL with row-level multi-tenancy, React + Vite frontend.
- Designed a 3-layer architecture (platform core / industry module / tenant config) so a single codebase can be replicated across customers by changing data, not code.
- Same stack as the WWE Payroll Core sideline project, enabling shared componentry and parallel development by both engineers.

Power Platform Automation Suite | *Power Apps · Power Automate · SharePoint · PowerShell · Windows OCR*

- LCL Truck Scheduling: Power Automate + Power Apps + SharePoint Excel automating daily truck assignment across three brokerages with rotation logic, skip counts, split-job handling, and Teams notifications.
- Liquidation Workflow: 6-phase SharePoint + 7-flow Power Automate + 7-screen Power Apps solution achieving ~80% automation with no premium connectors.

- ATI Receipts Processor: PowerShell + Windows OCR app for customs voucher processing with VR/payment extraction and year-based folder organization.

EDUCATION

Bachelor of Science in Computer Engineering — Mapua Malayan Colleges Laguna *2013 – 2019*

LANGUAGES

English • Filipino