Wilson Medina Arrieta

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RESUME

Software Engineer who owns problems end-to-end, from ambiguous business requirements to shipped architecture. Lead engineer on bed.mooba.co, a multi-tenant SaaS built across 3 services (Go API, admin panel, storefronts), translating stakeholder goals into technical decisions, payment integrations, and production systems. Strong foundation in Go and Node.js (NestJS/Express), Clean Architecture, and PostgreSQL.

EXPERIENCE

Full stack developer at **mooba Agencia** from **May 2025 to present:**

- **Multi-tenant SaaS Platform:** Lead engineer on this multi-tenant SaaS for e-commerce and restaurants (Go API, admin panel, storefronts). Worked directly with stakeholders to turn business goals into architecture and shipped features, from concept to onboarding its first merchants. SaaS: bed.mooba.co
- **Backend Architecture (Go):** Built a ~480 endpoint API with Clean/Hexagonal Architecture covering auth, catalog, checkout, orders, billing, storefront CMS and analytics across tenants.
- **Payments & Integration:** Integrated Cobru wallets for automatic split payments alongside Wompi and ePayco, and routed restaurant orders into Loggro POS.
- **Agency projects:** Built Next.js + Strapi CMS websites with mooba's design and development team, optimized for performance and SEO (mooba.co, biver.com.co, thermecs.co).

Researcher and developer at **University** from **January 2023 to December 2024:**

- **AI & Robotics:** Developed software modules for robotic monitoring using Python, integrating hardware sensors with computer vision processing for crop analysis.

TECHNICAL PROJECTS

BioFood Connect — Go, Claude API, Evolution API (WhatsApp), PostgreSQL, Docker

- Built a Hexagonal Architecture backend in Go in 48 hours for a Hackathon-winning MVP, integrating Claude Haiku for AI WhatsApp queries, proactive alert workers, and a Wompi/Nequi payment flow.

Point of Sale (POS) — NestJS, TypeORM, PostgreSQL

- Designed and implemented a modular REST API with authentication, validation, modeling relational data in PostgreSQL and simulating real-world business workflows such as sales and inventory.

EDUCATION

Mechatronics Engineering from **Universidad Autónoma del Caribe** at **Barranquilla, Col.** on **March 2025**
Thesis: Drone System for Pest Detection in Cassava Crops with Custom TensorFlow Lite Model.

SKILLS

Technical: Go, Node.js (NestJS/Express), SQL, Python (TensorFlow/AI), Java (Spring Boot - in progress)
Tools: PostgreSQL, Docker, Git, CI/CD, Linux, VPS, Clean Architecture, Testing (Jest, Supertest, Zod).
Integrations: Payments (Cobru, Wompi, ePayco), Restaurant POS (Loggro), RAG/LLM (Claude API).
Language: English (B2) and Portuguese (A2).

AWARDS & ACHIEVEMENTS

1st Place Winner – Caribe Tech Arena Hackathon (Biofood Challenge), Barranquilla, Col. (May 2026).
Selected as the top solution among regional builders for outstanding technical execution, hexagonal backend architecture, and MVP utility.