

# KEVIN CORTES

Full Stack Developer

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**7+ yrs**

Building software

**-15%**

Production costs cut

**+30%**

Customer retention

**-40%**

Reporting time

## PROFESSIONAL SUMMARY

**Full Stack Developer who builds software for the industries he knows from the factory floor.** Industrial Engineer turned developer with 7+ years writing code — the last 3 full-time on a modern stack (TypeScript, React, Node.js/NestJS, Firebase, PostgreSQL). I designed and shipped a complete B2B SaaS ecosystem from scratch — a manufacturing ERP, a customer billing portal, and an AI conversational agent — delivering a proven 15% cut in production costs and a 30% rise in customer retention. Strong in serverless and offline-first architectures, agentic AI with tool-calling (Gemini, RAG), software licensing, and payment integrations. Seeking a Full Stack Developer role in Dubai to build scalable, high-impact products in an international team.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, SQL, Visual Basic

**Frontend:** React 19, React Native, Tailwind CSS, shadcn/ui, TanStack Query, React Hook Form, Zod, Expo, IndexedDB

**Backend & Data:** Node.js, NestJS, Prisma, REST APIs, Bun, Cloud Functions; Firebase (Firestore, Storage, Auth, Hosting), PostgreSQL, Supabase, Google Cloud Run

**AI & Architecture:** Agentic AI & tool-calling (Gemini, RAG, MCP), Telegram bots, ePayco; offline-first sync, monorepo (pnpm/Turborepo), modular monolith, multi-tenancy, software licensing

**DevOps & Standards:** Git (branching, PRs, code reviews), Docker, CI/CD (GitHub Actions), Electron, Power BI; ISO 27001 (Certified Auditor), Software Design Patterns

## PROFESSIONAL EXPERIENCE

### Full Stack Developer & SaaS Product Builder

*Aug 2023 – Present*

#### PRO Engineering — Bogotá, Colombia

- Designed, built and launched PRO INDUSTRIAL, a B2B SaaS ERP (Electron, React, TypeScript, Firebase) for garment and leather manufacturers covering the full production cycle, delivering a proven 15% reduction in production costs.
- Engineered an offline-first architecture with bidirectional real-time synchronization between IndexedDB and Firestore, enabling distributed factory teams with intermittent connectivity to work from a single source of truth.
- Implemented a software licensing and auto-update system with per-device fingerprinting, secure token distribution and CI/CD release pipelines (GitHub Actions, electron-updater).
- Built a customer web portal (TypeScript, shadcn/ui, Firebase) for license management, online renewals and AI-assisted support via the ePayco payment gateway, increasing customer retention by 30%.
- Developed an AI conversational agent (Gemini, agentic loop with 11 tools, Telegram, Bun) that automates accounting by extracting invoice data from photos and PDFs via Gemini Vision, cutting bookkeeping time from minutes to seconds.
- Architected a multiplatform POS (in progress) with a NestJS + Prisma + PostgreSQL backend in a pnpm/Turborepo monorepo, applying repository pattern, DTO validation, dependency injection and multi-tenancy.
- Secured production systems using Google Cloud Secret Manager, server-side API key isolation and Firestore security rules; documented self-audited security roadmaps for commercial scaling.

### Production & Automation Engineer

*Jan 2018 – Jul 2023*

#### Belmoda — Bogotá, Colombia

- Increased monthly output by ~2,000 units (+16% over a 12,000-unit baseline) by standardizing production times and movements across 20 product models and redesigning plant workflow.
- Built in-house applications in Visual Basic to digitize sales, inventory, clients and production-batch tracking, introducing barcode implementation and per-fabric production analytics — the start of a 7-year path writing software.

- Designed automated data-collection systems and Power BI dashboards that cut reporting time by 40% and contributed to a 30% reduction in operational downtime; implemented World Office for DIAN-compliant electronic invoicing and payroll.

## Data Analyst

*Jan 2014 – Dec 2017*

### Bogotá, Colombia

- Analyzed operational and commercial data to support decision-making, building reports and structured datasets in Excel and Power BI that improved data accuracy and visibility across business areas.

## KEY PROJECTS

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- **PRO INDUSTRIAL (ERP)** — Offline-first manufacturing ERP. [moda.proserv.com.co](http://moda.proserv.com.co)
- **AI Accounting Agent** — Telegram agent bot with tool-calling. [t.me/proassistantbel\\_bot](https://t.me/proassistantbel_bot)
- **TOURMALINE** — Point of Sale, using VBA through Microsoft Excel. [proserv.com.co/tourmaline](http://proserv.com.co/tourmaline)
- **Power BI Reports** — Production & sales dashboards. [proserv.com.co/dashboards-en](http://proserv.com.co/dashboards-en)

## EDUCATION & CERTIFICATIONS

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**B.Sc. in Industrial Engineering**

*Universidad Jorge Tadeo Lozano*

**ISO 27001 Internal Auditor**

*Universidad Nacional de Colombia*

**Web Dev, TypeScript, React/Vite/Tailwind, Docker, Design Patterns**

*Platzi*

## LANGUAGES

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Spanish — Native | English — Intermediate (B1) | Portfolio: [proserv.com.co/portfolio-en](http://proserv.com.co/portfolio-en)