

CEDRIX JOHN M SARMIENTO

AI AUTOMATION ENGINEER • E-COMMERCE OPERATIONS

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PROFESSIONAL SUMMARY

AI Automation Engineer specializing in e-commerce and marketplace operations: pricing, inventory, margins, returns, and procurement. At Boughtnexus I build production systems that run unattended, including approval-gated procurement, daily negative-margin monitoring, competitor price intelligence, and warehouse inventory synchronization across n8n, BigQuery, Supabase, Google Sheets, and the BigSeller, Shopee, Lazada, and TikTok Shop APIs. I also ship agentic products with Python, SQL, TypeScript, Claude Code, and the Claude API. Live work: cedrixjohn.dev.

WORK EXPERIENCE

AI Automation Engineer - Boughtnexus

May 2026 to Present

- Built an approval-gated procurement system (106 nodes) that calculates supplier-level reorder quantities from stock, sales velocity, reorder points, lead times, MOQs, and order multiples, routes spend-capped proposals through Slack approval, then creates verified BigSeller purchase orders and dispatches branded PDFs to suppliers over WhatsApp, replacing a recurring manual spreadsheet exercise.
- Developed daily negative-margin monitoring across Shopee, Lazada, and TikTok Shop that audits settled orders, deduplicates open cases, and creates tasks, alerts, and audit logs in Supabase, surfacing loss-making SKUs that manual settlement review had been missing.
- Built Shopee and Lazada competitor-price intelligence on n8n with BigQuery caching, API enrichment, and normalized outputs, replacing manual per-listing price checks ahead of pricing reviews.
- Automated BigSeller inventory exports by triggering and polling export jobs, transforming XLSX files, and synchronizing clean warehouse snapshots to BigQuery and Google Sheets as a single stock view for the ops team.

Data Analyst | Operational Support Specialist • New York Family Dentistry, Brooklyn, NY

Dec 2024 to May 2026

- Built and maintained 20+ Python automated data pipelines processing 400K+ CSV/Excel rows daily into validated Google Sheets reports, removing the bulk of manual data prep across teams.
- Designed and deployed 15+ interactive call-handling scripts (HTML, CSS, JavaScript) on Google Sites, guiding live patient/caller conversations and standardizing front-desk response.
- Automated operational trackers using Google Apps Script: row transfers between tabs, cross-sheet report consolidation, and built-in data cleaning, saving 15+ hours of manual work weekly.

Data Science Intern • A2K Group

May 2024 to June 2024

- Delivered a multi-model machine learning project applying 7 techniques (Linear Regression, Logistic Regression, Random Forest, K-Means, NLP); built Seaborn/Matplotlib visualizations that turned raw data into decision-ready insights.

SELECTED PROJECTS

AI Automation Generator (cedrixjohn.dev/audit). Self-serve SMB ROI audit. A 5-agent Claude pipeline ingests company info, surfaces automation opportunities with confidence-banded ROI ranges, designs n8n workflows, and emails a branded PDF. Warm and cold intake lanes, 2-step follow-up, unsubscribe. *Stack: n8n, Claude API (Sonnet, Haiku), Supabase, Next.js 16/Vercel, Resend, Turnstile.*

AI Voice Receptionist Demo (cedrixjohn.dev/voice-demo). Form to magic-link email to Vapi outbound dial to HVAC-tuned AI receptionist ("Casey"). Hangup triggers Claude analysis, ROI extraction, and a branded PDF emailed with recording and transcript. Day 3 and Day 10 follow-ups, daily recording-cleanup cron. *Stack: Vapi, n8n, Claude API, Supabase, Next.js 16/Vercel, Resend.*

Competitor Teardown Demo (cedrixjohn.dev/teardown). Prospect pastes a competitor URL. A 6-stage n8n pipeline (Firecrawl, direct fetch, headless Chromium waterfall, Haiku page selection, Sonnet structured extraction, deterministic threat scoring) returns findings in roughly 60 seconds and emails a branded PDF on email gate. Click tracking, funnel dashboard, HMAC-secured webhook. *Stack: n8n, Claude API, Firecrawl, Supabase, Next.js 16/Vercel, Resend.*

Social Content Bot and Public Dashboard. Writes and posts to Facebook daily at 09:00, ingests its own metrics, auto-replies to comments every 15 minutes, and renders the pipeline as a public Next.js dashboard. *Stack: n8n Cloud, Airtable, Claude (Sonnet 4.6), Ideogram 3.0, Supabase, Facebook Graph API v19, Next.js 16/Vercel.*

Invoice and Receipt Extractor. Productized PDF extraction for born-digital, scanned, rotated, and multi-page documents; a Vercel route stores each upload, n8n forwards it to Claude with a forced tool call, and parsed fields are emailed back. About 11.4 seconds and \$0.022 per extraction. *Stack: n8n, Claude API, Next.js 16/Vercel, Supabase, Resend.*

HR Recruitment Automation. Gmail intake, Sheets candidate tracking, assessment emails, Calendar interview booking, Slack notifications. *Stack: n8n (25 nodes), Gmail API, Google Calendar, Slack.*

A&R Carpet Cleaning Automation Suite. 4 production workflows for a service-business client: WhatsApp Owner Assistant (43 nodes), Customer Chat Agent (25 nodes), Lead Intake (14 nodes), Appointment Reminders (11 nodes). *Stack: n8n, WhatsApp Cloud API, Claude/LLM agent, Google Sheets, web forms, cron.*

TECHNICAL SKILLS

Automation & Workflow: n8n (Cloud + self-hosted), Make.com, Google Apps Script, BigSeller API, marketplace APIs, Webhooks, REST APIs, scheduled and polling workflows, human-in-the-loop approval gates (Slack, WhatsApp Cloud API), error handling and retry design

AI / LLMs / Voice: Claude API (Sonnet, Haiku, Opus), Claude Code, ChatGPT/OpenAI, MCP servers, Vapi voice agents, Ideogram, prompt engineering, agentic workflow design

Programming & Web: Python, SQL, JavaScript, TypeScript, Next.js 16, React 19, Tailwind, HTML, CSS

Cloud, Data & Commerce: Google BigQuery, Supabase (Postgres + Storage + RLS), BigSeller, Shopee, Lazada, TikTok Shop, Google Sheets, Airtable, Vercel, Pandas, Excel, Power BI, Git, VS Code

CERTIFICATIONS & EDUCATION

Certifications: Claude Code in Action (Anthropic, May 2026); Python for Data Science, AI & Development (IBM, Apr 2026); Generative AI: Prompt Engineering Basics (IBM, Apr 2026).

Education: Associate in Computer Technology, Pampanga State University (June 2022 to June 2024).