

Dylan San Gabriel

Software Engineer

Chantilly, VA dylansg0318@gmail.com portfolio.dylansg0318.workers.dev github.com/Dylansg318 linkedin.com/in/dylan-san-gabriel

SUMMARY

Software engineer who designed, built and runs the ERP a six-channel dental distributor operates on, as its only engineer. Strongest on integrations and data correctness: order pipelines, marketplace and carrier APIs, accounting sync, and the tests that prove them. Looking for a backend or full-stack role, remote or in Northern Virginia.

EXPERIENCE

Software Engineer · RMH3 Dental Supply, Chantilly, VA

Jun 2025 – Present

- Sole engineer for the in-house ERP that replaced SellerCloud and a stack of spreadsheets: order intake from six sales channels, inventory, shipping, customer service, returns, invoicing and a two-way QuickBooks Desktop sync.
- Daily orders grew from about 270 to about 520 on a 32,000-product catalog with no added operations headcount.
- Replaced a morning pricing spreadsheet with a repricing engine that re-evaluates every product every 60 seconds with cooldowns, floors and a no-price-war rule; 138,000+ price changes, each logged with its reason.
- Integrated eBay, Amazon SP-API, Shopify, Walmart, Net32 and three carriers: 300,000+ orders ingested, every raw payload stored before parsing, and a source-scan guard so channel code can never write the product catalog.
- Put barcodes and scanners on a pen-and-paper warehouse: GS1 parsing, a browser camera scanner, a JSON-to-ZPL label renderer and a self-updating Windows print agent with crash-loop rollback.
- Parsed a year of UPS and FedEx invoices into the ERP and surfaced about \$26K a year in avoidable address-correction, re-weigh, printer-rental and late fees.
- Reconcile the ERP against QuickBooks at line level and settle each discrepancy once in a claims ledger; 2,721 automated tests and ~180 checkpointed scheduled jobs keep app and books in agreement through redeloys.
- Run 5–10 parallel Claude Code sessions on one repository behind file locks, hooks that block unrecoverable git operations, and second-model review of consequential changes.

Head Server · The Qui, Korean BBQ & Grill, Fairfax, VA

Aug 2022 – Jun 2025

- Ran front-of-house and trained new servers; promoted twice within months. Completed the CYDEO SDET program alongside full-time shifts.

Store Manager · Wireless Vision (T-Mobile), Vienna, VA

Jan 2021 – Aug 2022

- Sales associate promoted to store manager in ten months; ran staffing, cash and inventory, beat targets by 30% over multiple months and raised customer satisfaction from 8.0 to 10/10.

PROJECTS

The internal ERP · TypeScript, Express, React, PostgreSQL · portfolio.dylansg0318.workers.dev/projects/internal-erp

How the system is shaped, the rules that stopped the expensive mistakes, screenshots of it running.

Production code excerpts · GitHub · 13 modules with tests and READMEs · github.com/Dylansg318/Portfolio/tree/main/code

Sanitized production modules: GS1 parsing, a ZPL renderer, carrier-invoice parsers, a device agent, session locks.

AI coding-fleet guardrails · Claude Code, Git hooks · portfolio.dylansg0318.workers.dev/projects/agent-fleet

Locks, hooks and consequence-triggered review that let 5–10 coding agents share one repository safely.

SKILLS

Languages: TypeScript, JavaScript, SQL, Python, Java

Backend & data: Node.js, Express, PostgreSQL, REST APIs, SOAP, Flask, MySQL

Frontend: React, Vite, Tailwind CSS, Astro

Integrations: QuickBooks Desktop, Amazon SP-API, eBay, Shopify, Walmart, Net32, USPS / UPS / FedEx, Gmail API, ZPL

Testing: Jest, Selenium, Cucumber / Gherkin, REST Assured, JUnit / TestNG, PyTest, Postman

Ops & tooling: GitHub Actions, Docker, Railway, Cloudflare Workers, Harness, Jenkins, Jira, Claude Code

EDUCATION & CERTIFICATIONS

SDET Bootcamp · CYDEO, Tysons, VA

Feb – Oct 2024

Java, Selenium, Cucumber/Gherkin, REST Assured, SQL, Jenkins; two ten-person sprint teams automating live web apps.

Computer Science coursework · George Mason University, Fairfax, VA

2020 – 2024

Dean's List. Object-oriented programming, game design, essentials of CS; left before the degree was conferred.

Certifications: Programming using JavaScript (Certiport 57SR-4Tp8) · Programming using Python (Certiport uadx-XMRJ)