Carson D.

Full-stack engineer for regulated operations

carson@carsonsystems.net · carsonsystems.net ·github.com/Carson-092923

Full-stack engineer who builds internal platforms, CRM, integrations and automation for a regulated healthcare business: a custom Salesforce org, SSO and identity, data pipelines and AI agents. Years in pharmacy practice mean I build compliance in instead of bolting it on.

EXPERIENCE

Administrator — Systems & Compliance · Multi-location compounding pharmacy `2023 – present`

- Oversee operations, compliance, licensing and HR across a multi-state compounding operation.
- Built the company's Salesforce CRM, live since May 2026: about 640 Apex classes, 28 triggers, 80+ Lightning Web Components and about 27 scheduled jobs. It covers territory routing, provider tiering and visit cadence, quotas and incentive payouts with e-signed pay plans, and a website-to-lead signup pipeline.
- Migrated the sales organization off HubSpot (about 12K provider contacts and 10.7K practice accounts) and sync about 1.2M prescription records nightly from the pharmacy management system; now rebuilding the org on our own Postgres and AWS platform (staging live, 38 of 41 tables at exact parity).
- Built the non-sterile compounding compliance platform: 272 forms on recurring schedules, signed completion records with an audit trail, training sign-offs and a 301-study beyond-use-date library. It replaced a commercial compliance product.
- Built the nightly data pipeline (9 external systems, 27+ tables) and the in-house reporting platform that replaced a commercial BI tool.
- Built the central sign-on service: cross-domain SSO, automated staff-license verification and daily HR-to-directory reconciliation.
- Automated high-volume pharmacy-system workflows with queued browser workers, retries and audit trails; shipment monitoring covers 138,000+ tracking records a day.
- Built AI agents for accounting and engineering with dry-run defaults and confirmation on every write.

Department Manager, IT Specialist & Data Analyst · Multi-location compounding pharmacy `2022 – 2023`

- Managed a pharmacy department while building the first reporting infrastructure and data-analysis workflows.
- Deployed network infrastructure and supported IT across multiple pharmacy locations.

Pharmacy Technician & Lead Data Entry Technician · Multi-location compounding pharmacy `2021 – 2022`

- Led prescription data entry and found the workflow bottlenecks that became the first automation projects.

Pharmacy Technician · Community pharmacy `2019 – 2021`

- Processed prescriptions and served patients in a retail pharmacy.

ADDITIONAL PROJECTS

- **Healthcare Workflow Platform:** Multi-tenant pharmacy operations SaaS built to HIPAA and 21 CFR Part 11 expectations; in staging with production cutover underway.
- **Delivery Notification Service:** Cut delivery-detection lag from about 25 hours to about 5 by moving from polled reports to carrier webhooks.

- **PMS Workflow Chrome Extension:** Manifest V3 extension adding screening, status and workflow tools to a pharmacy management system web UI.
- **Unattended AI Coding Workflow Runner:** Takes tickets from card to pull request unattended, verifying each phase's real side effects before advancing.

SKILLS

Primary	TypeScript · Next.js / React · Salesforce (Apex, LWC, Metadata API) · Python · Playwright · PostgreSQL · Node.js / Deno
Familiar	Salesforce Flows & Maps · NestJS · Supabase · AWS (ECS, RDS, S3, Bedrock) · Docker · Chrome extensions (MV3) · Claude / OpenAI APIs · PowerShell

EDUCATION & LICENSURE

- A.S., Computer Networking & Security, Keiser University
- Pharmacy Technician, licensed in 3 states. Since 2019; all active, no disciplinary history.