

MICHAEL CURTIS

San Diego, CA

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SKILLS

Languages & Frameworks: Python, TypeScript, SQL, FastAPI, Next.js, React, Tailwind, C++ (rusty)
AI & LLM Tooling: Claude API, Anthropic SDK, multi-step agents with tool use, RAG (pgvector + OpenAI embeddings)
Systems & Integrations: Docker, AWS (ECS, Boto3), PostgreSQL, Supabase, Vercel, Linux, CI/CD, Notion API, Stripe, QuickBooks (OAuth2)
Product & Collaboration: PRD writing, customer discovery, roadmap prioritization, agile rituals (Scrum), Figma, Linear, Jira, Git

EXPERIENCE

Redbook (Cattle Feed Yard SaaS Startup) Feb 2026 – Present
Product Operations Lead San Diego, CA

- **Customer Discovery & Delivery:** Run weekly customer calls and travel to feed yards to shadow cowboys, owners, and managers; turn field observations into PRDs and prioritized engineering work as the day-to-day bridge between product and engineering.
- **Futures Market Integration:** Drove end-to-end integration of live cattle futures market data to power real-time P&L predictions for customers, spanning data ingestion, modeling, and UX.
- **Internal AI Agent:** Built a Claude-powered TypeScript agent (deployed on Vercel) with a RAG pipeline over the Notion knowledge base—pgvector + OpenAI embeddings, incremental sync via Notion’s last-edited-time. Connected to OpenPhone to auto-draft responses to customer inquiries grounded in retrieved product docs.
- **Automated Product Comms:** Same agent pulls bi-weekly merge commits from Git and generates polished product-update emails, replacing a manual engineering-to-marketing handoff.
- **Onboarding Automation:** Built a migration pipeline from competitor software, cutting 3–4 hours of manual setup per customer; deployed across 10+ customer migrations.

DockOps (Marine Logistics SaaS) dockoperations.com Jun 2025 – Present
Founder & Lead Engineer San Diego, CA

- **Field Discovery:** Rode along with hull-cleaning divers and shop owners on-site to surface workflow gaps; translated observations into PRDs shipped across the customer web app and admin console.
- **Full-Stack Build:** Shipped a FastAPI/async SQLAlchemy backend, Next.js customer web app, and Next.js admin console, backed by multi-tenant PostgreSQL with Row-Level Security isolating admin, manager, and diver roles.
- **Domain Logic:** Built the diver-pay engine, recurring job-scheduling system (APScheduler with custom anchor-date logic), and the anode condition-tracking workflow that drives every cleaning crew’s daily route.
- **Integrations & Quality:** QuickBooks Online (OAuth2) bulk invoicing, Stripe billing, Resend transactional email, and a competitor-data import pipeline; covered by Playwright a11y tests and a Dockerized pytest suite.
- **Traction:** 20+ paying customers and \$1,200 MRR with no paid marketing.

Naval Information Warfare Center (NIWC) Pacific Jul 2023 – Sep 2025
Software Engineer — Secret Clearance (Inactive, Reinstatement Eligible) San Diego, CA

- **C++ Imagery Pipelines:** Engineered C++ applications to process aerial and submarine imagery, implementing detection algorithms that improved threat assessment speed and accuracy.
- **Sensor Data Processing:** Built a server-side AIS parser in C# to ingest high-volume vessel tracking data; handled protocol decoding and real-time visualization.
- **Cloud Automation:** Developed Python automation (Boto3) to deploy containerized services to AWS ECS, reducing deployment workload by 40%.
- **Stakeholder Collaboration:** Translated ambiguous mission requirements from naval operators into shipped features; restructured core middleware routing for better fault tolerance.
- **Technical Leadership:** Selected for 2024 Techboard (top 1% of personnel) to advise leadership on CI/CD strategy; led agile delivery as secondary Scrum Master.

PROJECTS

Cleyra: Accutane Tracking App cleyra.skin | *Solo founder — product, engineering, marketing* Apr 2026 – Present

- Built and launched a consumer iOS app for tracking isotretinoin treatment; reached 500+ users and \$300+ in sales since launch on April 21. Ran all product, engineering, and marketing solo.
- Organically grew the Cleyra TikTok account to 1,600+ followers via a repeatable content workflow (research-backed slideshows on side effects, treatment timelines, and myth-busting).

EDUCATION

University of California Santa Barbara (UCSB) Sep 2019 – Mar 2023
B.S. Computer Science, GPA: 3.76 — Regent’s Scholarship (top 2%), Dean’s Honors, Distinction in Major