

Miles A. Camp

Full-Stack Product Engineer & Builder

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Software engineer with deep-rooted empathy and a trained product instinct. I ship things, follow the data, and keep going until the impact is measured, not just delivered. AI-assisted development has pulled me deeper into engineering again, where I use coding agents to move faster without handing off judgment, validation, or ownership.

Experience

AdXcelerant

July 2024 - April 2026

Hired as a software engineering contractor and earned a full-time product role before the contract ended. Inherited a fragile product and integration layer with stale documentation, unstable integrations, and little delivery structure. Grew bid request volume 2.7x by fixing what was broken and building what wasn't there.

Senior Product Owner - Integrations and Platforms

- Shipped production code across Rust backend services and the React frontend, using Claude Code to accelerate debugging and implementation while personally owning validation on a live, revenue-critical system.
- Owned the full integration lifecycle from sales alignment through onboarding, implementation, debugging, and ongoing partner support, serving as the sole technical owner across partner relationships. Grew the network to 15+ integrations and drove monthly revenue from \$65K to \$177K.
- Built the reporting and monitoring layer across Metabase, MySQL, CloudWatch, and operational dashboards, giving leadership, sales, and ops early visibility into outages, performance issues, and revenue-impacting trends.
- Evaluated database scaling options and avoided a 2.5x infrastructure cost increase, then cut query load times from 10 minutes to seconds through retention policies, automated table partitioning, and a redesigned aggregation schema.

Grocery TV (formerly Popsots)

June 2018 - November 2023

Joined as the 7th employee to build a full-stack IoT platform from scratch. Spent five years scaling it from 100 screens to over 18,000 across 4,000 supermarkets nationwide.

Senior Product Manager (2023)

- While still an engineer, identified an underdeveloped integration channel, became the internal technical expert, and led the product strategy that grew it into more than half of company revenue by the time I left.
- Led a small cross-functional team across engineering and data, using partner feedback, performance analysis, and revenue impact to prioritize platform improvements supporting 20+ external relationships.

Senior Software Engineer (2018 - 2023)

- Committed through bootstrap-to-scale growth, shipping full-stack across the core platform serving customers, sales, and ops as the company grew through Series A (Silverton Partners) and Series B (Sageview Capital).

- Built a distributed, N-tier ad-serving platform connecting 18,000 edge IoT devices, backend services, data stores, and external marketplaces, scaling from \$0 to \$13M in programmatic revenue while establishing AWS CDK Infrastructure-as-Code standards.
- Extended the platform into a standalone SaaS product for an external customer, generalizing internal tooling, writing APIs, and owning the technical relationship through a successful launch.
- Supported team quality through code review, structured onboarding, monthly 1:1s, and technical mentorship. One voluntary departure from a team of 6 over five years.

Prometheus Group

June 2014 - November 2017

ERP Software Developer

- Owned enterprise client engagements end to end for industrial clients including Kiewit, Hess, Shell, and Tesoro, translating business workflows into SAP PM solutions from SOW through long-term maintenance.
- Gained professional fluency in ABAP and SAP PM entirely on the job, delivering 30+ custom implementations across 10+ codebases where untracked maintenance failures translated directly to unplanned operational downtime.

Technical Skills

Product Engineering: Full-stack feature delivery, integrations, internal tools, partner-facing technical delivery, observability, production debugging, AI-assisted development

Languages & Frameworks: TypeScript, Rust, Node.js, React, Next.js, Vue, Tailwind, ABAP

Data & Infrastructure: Postgres, MySQL, Redis, Docker, GitHub Actions, AWS (EC2, Lambda, ECS, S3, RDS, SQS, Athena, CloudFront, CDK), Vercel, Cloudflare Workers

Analytics & Observability: Metabase, Looker, Datadog, Sentry, AWS CloudWatch

Creative & Maker Tools: Microcontrollers, 3D Printing, Fusion 360, DaVinci Resolve, Lightroom CC

Recent Project: Photo Signal ([macamp0328/photo-signal](https://macamp0328.com/photo-signal)). Mobile PWA linking physical concert prints to artist, venue, and concert metadata using client-side perceptual hashing. Built from concept to implementation with Vite/TypeScript and AI-assisted development; privacy-preserving camera recognition without QR codes.

Education

Elon University

August 2010 - May 2014

Bachelor of Science in Computer Science (Cum Laude)

Undergraduate Independent Research: Mobile Applications and Speech Therapy