

Andrew Sherman

Software Engineering Leader

andrewesherman@gmail.com · 603-247-4845 · linkedin.com/in/andrew-e-sherman · andrewesherman.net

Software engineering leader with 10+ years in backend and cloud systems, including 3 years managing and mentoring backend teams. I build event-driven microservices, APIs, and IoT platforms on AWS with Go and TypeScript, drive CI/CD and observability practices, and partner cross-functionally to align platform capabilities with product and developer needs.

EXPERIENCE

PetSafe Brands — Cloud Backend Software Engineer III

Jul 2023 – Present

- Led design and development of scalable cloud backend and infrastructure for IoT services across US and European regions, improving reliability and performance for connected devices.
- Architected event-driven systems to optimize data flow and device communication for high-volume telemetry and commands.
- Drove adoption of CI/CD best practices with AWS CDK and TypeScript, reducing deployment friction and standardizing infrastructure provisioning.
- Partnered with embedded, frontend, UX, and QA teams to align platform capabilities with product needs and deliver cohesive end-to-end experiences.

TypeScript · AWS · CDK · IoT Core · DynamoDB · ThingStream

Wagz — Engineering Manager (Backend)

Jul 2020 – Jun 2023

- Managed and mentored the backend engineering team, including hiring, performance reviews, and day-to-day technical guidance.
- Led sprint planning and execution, aligning backend priorities with the product roadmap and coordinating dependencies across teams.
- Balanced people leadership with hands-on contributions to backend services and APIs supporting multiple applications and internal tools.
- Designed and implemented the company admin panel from scratch for customer service and device management workflows.

Go · React · MySQL · AWS · TypeScript · Redis · RabbitMQ

Papa, Inc — Mobile Engineer

Oct 2019 – Jul 2020

- Led the rewrite of a legacy mobile application in React Native, improving maintainability and iteration speed.
- Set up and maintained iOS deployment pipelines and managed App Store releases for reliable delivery.

React Native · GraphQL · JavaScript · SCSS · Sentry

Wagz — Software Engineer

Nov 2017 – Sep 2019

- Built and maintained backend microservices in Go, including APIs and third-party integrations for core product functionality.
- Monitored and optimized MySQL performance and reliability for production workloads.
- Developed a custom Amazon Alexa skill to extend product capabilities to voice interfaces.

Go · MySQL · AWS · JavaScript · TypeScript · Node.js

KVSS Technologies — Software Engineer I

Jul 2014 – Oct 2017

- Developed single-page applications with React, contributing front-end features and iterative UX improvements.
- Participated in QA and unit testing cycles to support overall product quality.

React · JavaScript · HTML · CSS

SKILLS

Platform engineering · Backend microservices · Event-driven systems · AWS cloud · Go · TypeScript · JavaScript · Docker · CI/CD · AWS CDK · RabbitMQ · SQL / MySQL · IoT platforms · Agile team management · Mentoring · Cross-functional collaboration

CERTIFICATES

- AWS Certified Cloud Practitioner (ID: QX2KMK527EEEQM9L)
- AWS Cloud Quest: Generative AI Practitioner
- Hacktoberfest Contributor — Level 4
- Docker Foundations Professional Certificate

EDUCATION

- Technology Leadership Certificate — Cornell University
- M.S. in Human Services – Business — Liberty University
- B.S. in Psychology, Minor in Business — Liberty University