

# Ken Barlow

Lehi, UT · [LinkedIn](#) · [GitHub](#)

## EXPERIENCE

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### Co-Founder & CTO

July 2025 – Present

*Allset*

Lehi, UT / Remote

- Architected and shipped the full stack as a single engineer using agentic development workflows (Cursor, Claude Code), operating at multiples of traditional team velocity.
- Designed AWS infrastructure from scratch as IaC (Terraform + Terragrunt): VPC, ECS, ECR, Cognito, CloudWatch, CloudFront, IAM, S3, SES, SNS, Aurora PostgreSQL (RDS), Redis, DynamoDB.
- Backend in Go; frontend in TypeScript; mobile-first product targeting iOS and Android.
- Integrated LLM providers (Claude, OpenAI), Stripe for payments / transaction rake, and SpiceDB for the permission system.
- Owned product, architecture, deployment, customer development, and go-to-market end-to-end.

### Principal Software Engineer

March 2016 – April 2026

*Private SaaS (NDA)*

Remote

- Built and led development of internal systems for accounting, warehousing, and marketing, supporting 190K+ users across 9 production systems (7 internal, 2 customer-facing).
- Delivered \$1.5M+ in annual cost savings through AWS architecture optimization and infrastructure consolidation.
- Oversaw code review and DevOps for a 12-engineer team, maintaining web and mobile applications with seamless CI/CD integration.
- Improved incident response by implementing on-call rotation, real-time monitoring, alerting, and resolution playbooks.
- Partnered directly with business units to translate requirements into shipped product, launching 9 major projects.
- Stack: JavaScript, TypeScript, Python, Node.js, React, REST APIs, PostgreSQL, AWS (Lambda, S3, Cognito, EventBridge, DynamoDB), Terraform, Docker.

### Senior Software Engineer

February 2015 – March 2016

*Controlpad*

Orem, UT

- Led a software engineering team of 8 developing SaaS web and mobile apps for 72K+ customers.
- Shipped software improvements that recovered \$50K+ by resolving tax-calculation issues and introducing in-app customer support tooling.
- Reduced support response times from days to hours by overhauling the request-handling pipeline.
- Stack: JavaScript, REST APIs, SQL, AWS, Swift, Objective-C, Java, Docker.

### Software Engineer

December 2011 – February 2015

*Start Studio*

Provo, UT

- Built 6 web and mobile applications from the ground up across timekeeping, fitness, sports, social, CRM, and health verticals.
- Engineered a 3D-coordinate tracking solution using BLE devices for a fitness product serving 5,000+ users.
- Shipped 5 additional production mobile apps for a range of clients.
- Stack: Python, Django, Objective-C, JavaScript, REST APIs, SQL.

## Engineering Manager

June 2010 – December 2011

*Microsoft*

Salt Lake City, UT

- Promoted from Support Engineer to lead a team of 10 supporting Microsoft Retail Stores and microsoftstore.com.
- Built customer-feedback loops and refined internal tooling that streamlined cross-departmental support workflows.
- Ran training and mentoring programs for junior engineers and beta-tested new features pre-release.

## Support Engineer

March 2009 – June 2010

*Microsoft*

Salt Lake City, UT

- Provided technical support for Microsoft Retail Stores, resolving escalated customer and store-operations issues across hardware and software.
- Identified recurring failure patterns and partnered with engineering on fixes that reduced ticket volume.

## Senior Web Developer

May 2006 – March 2009

*Ideal Mechanical*

Arizona

- Built internal web applications for an HVAC / mechanical contracting business — job tracking, scheduling, customer management, and dispatch tooling for office staff and field crews.
- Maintained and extended the company website; migrated paper-based workflows to web-based forms and admin dashboards.
- Modernized internal tools by introducing AJAX / jQuery-driven interactivity as web standards evolved through 2006–2009.
- Stack: ASP.NET, C#, JavaScript, jQuery, HTML/CSS, MS SQL.

## Web Developer

July 2004 – May 2006

*Informx Information Systems*

Arizona

- First professional engineering role at a company building software for two-way radios, pagers, repeaters, and the associated telecom hardware ecosystem of the era.
- Worked across the web stack and Delphi (Object Pascal) for desktop and system applications. Picked up the low-level side of the business along the way — raw binary 0/1 signals, UHF and VHF radio fundamentals, and how software wraps around real-world RF hardware (radios, repeaters, pagers).
- Built and maintained internal business applications: database-backed forms, admin dashboards, and reporting tools.
- Stack: PHP, classic ASP, Delphi (Object Pascal), JavaScript, HTML/CSS, MS SQL.

## SKILLS

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<b>Languages</b>	Go, TypeScript, JavaScript, Python, Swift, Objective-C, Java
<b>Frameworks</b>	React, React Native, Node.js, Express, Django
<b>Cloud &amp; Infra</b>	AWS (VPC, ECS, ECR, RDS Aurora Postgres, Cognito, CloudWatch, CloudFront, IAM, S3, SES, SNS, DynamoDB, Lambda, EventBridge, Bedrock), Terraform, Terragrunt, Docker, Redis
<b>Databases</b>	PostgreSQL, Aurora, DynamoDB, Redis, SpiceDB, SQL
<b>AI / LLM</b>	Claude, OpenAI, agentic dev workflows (Cursor, Claude Code), prompt engineering, LLM-native product design, voice AI on Bedrock
<b>Payments</b>	Stripe
<b>DevOps</b>	GitHub Actions, CI/CD, on-call / incident response, system monitoring & alerting
<b>Mobile</b>	iOS, Android, React Native

## EDUCATION

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### Utah Valley University

2012 – 2014, Orem, UT

- Computer Science coursework