

I am a full-stack software engineer and technical leader who loves building beautiful products from 0 to 1 and solving hard scaling and systems problems.

Work Experience

Co-founder & CTO Perch	GM Labs	2023–Present
<ul style="list-style-type: none">Led engineering as CTO, building the web, iOS, Android, and backend platforms from scratch.Scaled the product to 20K users, 13K publications, and 3.3M indexed articles through a unified ingestion, indexing, and search architecture.Managed a team of 4 engineers while remaining hands-on across full-stack delivery, architecture, and roadmap prioritization.Shipped premium AI chat and text-to-speech features and implemented monetization via Stripe and RevenueCat.		
Co-founder & CTO gm.xyz	GM Labs	2021–2023
<ul style="list-style-type: none">Built gm.xyz as CTO, shipping one of the first crypto-native social networks across web, iOS, and Android.Scaled the platform to 30K users with an architecture spanning React/React Native clients, Node/Express servers, and AWS-backed data infrastructure.Designed and implemented core product systems including wallet-native auth(SIWE), token-gated access, ranking/discovery, and community moderation workflows.		
Senior Software Engineer Grainger	ThoughtWorks	2019–2021
<ul style="list-style-type: none">Led a major identity-management overhaul for Grainger by integrating Ping and implementing OAuth 2.0-compliant federation flows, enabling secure federated identities for internal employees.Built core DevOps platform infrastructure using Terraform, Python, Kubernetes, and AWS, reducing internal application provisioning time from weeks to hours.Built a Java-based data-sanitization and normalization layer in front of multiple Grainger APIs, standardizing product taxonomy payloads for downstream user-facing applications.		
Senior Software Engineer Synchrony Financial & HBO	WillowTree	2016–2019
<ul style="list-style-type: none">Operated as an embedded engineer at Synchrony Financial where I implemented their Point-of-Sale system for onboarding and converting customers to branded credit cards at edge terminals.Collaborated with a team of 6 people to develop and deliver the front-end of the HBO Europe web app using TypeScript and React.		

Education

- B.Sc. Computer Science**, University of Virginia **2014–2017**

Languages and Technologies

- Languages/Frameworks:** Typescript, React, React Native, Python, Rust
- Technologies:** Postgres, AWS, Git, Kubernetes, Terraform
- Tools:** Cursor, Codex, Ghostty, Claude Code