

## SUMMARY

I'm a senior software engineer with 10 years of experience building web applications and leading teams at VC-backed startups. I bring a unique skill set working across the full tech stack, with hands-on experience scaling applications to millions of users.

## SYNOPSIS

- 10 years of software development experience across multiple industries including finance, esports, interactive work spaces, healthcare, e-commerce, and marketing
- 8 years developing APIs (TypeScript | Go | REST | GraphQL | gRPC)
- 7 years building client apps (React | Vue | Electron | SPA | SSR)
- 6 years architecting and scaling cloud services (AWS | GCP | Pulumi)
- 4 successful market deployments (Mayfair | Blitz | Switchboard | Premier)
- created a popular programming game where developers sharpen their skills through collaboration and competition ([spacetraders.io](https://spacetraders.io))

## TECH STACK

- Backend: TypeScript, NestJS, GraphQL, WebSockets, Laravel, Go, gRPC
- Frontend: React, Redux, Vue, Electron, Jest, Tailwind, Vite, Remix, Next.js
- Data: PostgreSQL, MongoDB, Redis, Kafka, Firebase, Elastic Search, Prometheus
- GCP: GKE, Compute Engine, Cloud SQL, Cloud Run, PubSub, Monitoring, Vision API
- AWS: EKS, EC2, Cognito, KMS, RDS, Lambda, Route53, Amplify, S3
- Devops: Kubernetes, Docker, Pulumi, Opal, Nginx, Traefik, Github Actions, Cloud Build
- Integrations: Auth0, Stripe, Treasury Prime, Twilio, Customer.io, Algolia

## REFERENCES

- Mayfair: [getmayfair.com](https://getmayfair.com)
- Blitz: [blitz.gg](https://blitz.gg)
- Switchboard: [switchboard.app](https://switchboard.app)
- Little Bear Labs: [littlebearlabs.io](https://littlebearlabs.io)
- SpaceTraders API: [spacetraders.io](https://spacetraders.io)
- Topsy Elves: [tipsyelves.com](https://tipsyelves.com)

## EDUCATION

- University of California, Berkeley (BA), 2011

## WORK HISTORY

### Mayfair (2023 - 2024)

#### Lead Software Engineer

- Engineered and automated financial operations including monthly payouts and daily transfer rules, alongside developing a reporting module for end-of-year audits, leveraging full-stack capabilities to enhance efficiency and compliance.
- Extended integrations with Stripe and Treasury Prime APIs, and implemented a referral bonus yield system to drive customer growth and retention.
- Led the implementation of automated financial solutions, significantly reducing manual processes and improving the financial service experience for customers.

### Blitz (2022 - 2023)

#### **Principal Engineer**

- Spearheaded completion of a critical rewrite of the frontend architecture, resulting in a huge success to stabilize revenue and improve product performance for our 3M+ monthly active users.
- Optimized core platform performance after launch, cutting critical page load times by 500% while mentoring the team on best practices for memory profiling and render debugging.
- Implemented cost-effective tooling and processes for frontend live-ops, enabling the team to detect under-reported issues that halved our response times for resolving critical incidents.

### Little Bear Labs (Contracted to Switchboard) (2020 - 2022)

#### **Lead Full Stack Engineer**

- Team lead bringing Sequoia-backed Switchboard from seed round to public Beta and Series A during a period of rapid growth and team expansion
- Led implementation of patented collaborative virtualized browsers w/ real-time, end-to-end encrypted browser profile persistence (VNC / WebExtensions API / KMS)
- Led full stack implementation of core product features infinite canvas, real-time chat, and calendar sync which allowed our product teams to critically onboard new customers.

### Premier Healthcare Management (2018 - 2020)

#### **Head of Engineering**

- Built a team of ten engineers, two designers, and three data scientists at a fast-paced healthcare management company. Worked directly with the CEO to manage day-to-day operations of the tech team while implementing features to drive growth and stability.

### Omni Holding Company (2017 - 2018)

#### **Lead Full Stack Engineer**

- Developed SaaS platform from the ground up with launch partner Pure Cycling Studio including integrated POS system, fitness metrics, user profiles, billing, and scheduling.

### Tipsy Elves (2015 - 2017)

#### **Senior Full Stack Engineer**

- Led frontend redesign and platform re-architecture from Magento to a scalable in-house solution for 100k+ monthly users (GCP / Laravel / Vue / MySQL / Redis).

### Rescue Agency (2014 - 2015)

#### **Integrated Marketing Specialist**

### Immersive Youth Marketing (2013 - 2014)

#### **Digital Strategist / Web Developer**