

Tommy Misikoff

SENIOR SOFTWARE ENGINEER

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PROFESSIONAL OVERVIEW

I develop sharp, intentional software that balances technical precision and flexibility. As a senior software engineer with a foundation in computer science and statistics, I focus on creating scalable, intuitive applications in complex, data-heavy domains. My work emphasizes product clarity, rapid iteration, and resilient architecture.

WORK EXPERIENCE

Viewport | Software Engineer → Senior Software Engineer @ Remote June 2018 – May 2025

- Architected and led migrations to Next.js for large-scale applications, leveraging App Router, content previews, SSR, SSG, and ISR to maximize performance, scalability, and SEO.
- Built and debugged revalidation relays to ensure prompt content updates across sites and debugged intermittent race conditions to achieve 100% success rate in API calls.
- Created an AI content pipeline to expand existing content into new forms.
- Introduced theming logic to enable flexible, intuitive, customization between sites. This included modular, reusable frontend components that scaled across our multi-site architecture
- Implemented experiment infrastructure for reliable A/B testing.
- Delivered polished UI's and animations both independently and in collaboration with designer partners.
- Spearheaded the migration of multiple projects into a unified monorepo, significantly improving development speed, code sharing, and cross-team collaboration.
- Delivered high-performance frontend systems by optimizing bundling, routing, and rendering strategies, resulting in improved load times and user experience.
- Collaborated closely with other teams to build powerful, intuitive internal tooling for content editing, including through rich text and markdown.
- Set up custom build steps to skip deployments based on markdown in GitHub PR descriptions, reducing deployment queues.
- Implemented automatic release tagging for my team that was subsequently copied over to other parts of the engineering department.
- Developed and improved CI/CD pipelines with automated labeling, linting, testing, and deployment workflows, accelerating release cycles and increasing code quality.
- Implemented thorough linting strategies, improving code quality and reducing merge conflicts, especially through explicit import ordering logic.
- Managed multiple large data migrations while ensuring minimal downtime.
- I led the frontend development of our company's new suite of high-traffic websites, developed successful fraud detection tools, built dashboards for statistical analysis, and maintained high-volume data pipelines.
- Acted on my own initiative to independently rebuild our flagship site, migrating it from a Nuxt.js SSR app running on Docker in AWS to a static Next.js site with ISR deployed via Vercel. After aligning stakeholders with a polished demo, the migration was approved and shipped. The result: \$40K/month in server cost savings, deployment times reduced from 20 minutes to 2, and a dramatically improved QA and collaboration workflow via preview deployments.
- Led the evaluation and migration of our in-house CMS to Contentful, enabling content editors to use preview mode with on-demand static regeneration, streamlining their publishing workflow.

- Scaled frontend infrastructure across a growing suite of sites by implemented Doppler to manage environment variables across dozens of sites, reducing friction and configuration errors.

Snow Gale Labs (Side Project) | Founder & Lead Engineer @ Remote Feb 2025 - Present

- Shape the product vision, user flow, and core feature set, focusing on clarity and utility
- Design and build web (Next.js) and mobile apps (React Native w/ Expo)
- Architect the backend with Supabase (Postgres + Edge Functions)
- Build robust data layers using TypeScript, Drizzle ORM, and TanStack Query

IdealSpot | Software Engineer → Data Solutions Manager @ Austin, TX June 2016 – May 2018

- Assembled and led a small team with diverse skillsets to scale our data-oriented offerings. This was executed through in-depth discussions with clients and the development of a new, modular system for building custom-tailored projects.
- Developed and monitored the deployment of new features in the user interface of a complex geospatial web application. This included numerous usability-focused redesigns to empower users while keeping the interface as intuitive as possible.

EDUCATION

Duke University | Durham, NC | MS, Statistical Science May 2024

The University of Texas at Austin | Austin, TX | BS, Computer Science May 2017

AWARDS

1st Place: Duke Quantitative Finance Competition Apr 2024

1st Place: Can't Be Evil Contest Part 3 - Best Use of Twilio Jan 2020

TECH STACK

Frontend | JavaScript, Typescript, React, React Native, Tailwind CSS, TanStack Query, Motion

Backend | PostgreSQL, Drizzle ORM

Deployment & Infrastructure | Vercel, GitHub Actions, Doppler, Expo

Tools | VS Code, GitHub, Linear, GitHub Copilot, ChatGPT

DEVELOPMENT ETHOS

Product-First Approach | Prioritizing clarity and user experience in complex data-heavy applications.

Systems Thinking | Approaching projects holistically to pinpoint links and dependencies.

Iterative Development | Prototyping and refining based on real-world feedback and analytics.

Cross-Functional Collaboration | Aligning engineering with design and product to maintain a unified product vision.

Initiative & Ownership | Identifying areas for improvement and pitching impactful solutions.

Developer Experience Improvement | Recognizing and resolving bottlenecks in developer flow to improve velocity

Clarity Over Complexity | Prioritizing simplicity in design and implementation to promote intuitive experiences

Code as Communication | Writing code with readability in mind