Tommy Misikoff

SENIOR SOFTWARE ENGINEER

512-673-3995 | tmisikoff@gmail.com | Austin, TX | linkedin.com/in/misikoff | misikoff.com

PROFESSIONAL OVERVIEW

I develop polished, 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 | Senior Software Engineer << Software Engineer @ Remote   Jun 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.
- Implemented composable GraphQL calls to CMS to optimize caching and page speed.
- Created an AI content pipeline with the OpenAI API 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.
- Implemented client and server components to improve page load speed.
- Collaborated closely with other teams to build powerful, intuitive internal tooling for content editing, including through rich text and markdown.
- Improved CI/CD pipelines and 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 linting, testing, release tagging, 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.
- Wrote and refined tests in Jest and Playwright to ensure high code quality and reliability and implemented end-to-end testing with DataDog.
- Rebuilt flagship site from Nuxt.js (Vue.js) SSR to Next.js (React) ISR, resulting in a $40K/month cost reduction and reduced deployment times from 20 to 2 minutes.
- Led the evaluation and migration of our in-house CMS to Contentful, enabling content editors to use preview mode with on-demand static regeneration.
- Scaled frontend infrastructure by implementing Doppler to manage environment variables across dozens of sites, reducing friction and configuration errors.
- Managed multiple large data migrations while ensuring minimal downtime.
- Worked on high-volume data pipelines (Python) with real-time data, and implemented large imports, exports, and transformations.
- Implemented complex data queries and transformations using SQL, including through Postgres and Athena.

Snow Gale Labs (Side Project) | Founder & Lead Software Engineer @ Remote   Feb 2025 - Present
- Shape the product vision, user flow, and core feature set, focusing on clarity and utility.
- Design and build web (React w/ Next.js) and mobile apps (React Native w/ Expo).
- Architect the backend with Supabase (PostgreSQL).
- Build robust, reusable data layers using TypeScript, Drizzle ORM, and TanStack Query.

IdealSpot | Data Solutions Manager << Software Engineer @ Austin, TX   Jun 2016 - May 2018
- Assembled and led a small team with diverse skillsets to scale data-oriented offerings, executing through client discussions and developing a modular system for custom projects.
- Developed and monitored deployment of new features in a complex geospatial web application, focusing on usability-driven redesigns.
- Collaborated with sales and engineering teams to assess client needs and create technical roadmaps for custom geospatial data solutions.
- Conducted exploratory calls with clients to identify project goals and translate complex data requirements into actionable development plans.
- Maintained ongoing client relationships post-delivery, providing tailored support and follow-up reports.
- Led the integration of modular components to streamline project delivery, reducing development time and skill requirements for future projects.

EDUCATION

Duke University | MS, Statistical Science | Durham, NC   May 2024
The University of Texas at Austin | BS, Computer Science | Austin, TX   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, Next.js, Tailwind CSS, TanStack Query, Motion
Backend | Python, PostgreSQL, Drizzle ORM, GraphQL
Deployment & Infrastructure | Vercel, GitHub Actions, Doppler, Expo
Tools | VS Code, GitHub, Linear, GitHub Copilot, ChatGPT

DEVELOPMENT ETHOS

Iterative Development | Prototyping and refining based on real-world feedback and analytics.
Systems Thinking | Approaching projects holistically to pinpoint links and dependencies.
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 | Promoting thoughtful design and implementation to deliver intuitive experiences.
Code as Communication | Writing code with readability in mind.