Michael Dye
Senior Frontend Engineer

✉ hello@michaeldye.dev

📞 615-423-2458

📍 Nashville, TN

🏴 michaeldye.dev

in linkedin.com/in/dyemichael

○ github.com/michaeljdye

Achievements

Growth-driven Software Engineer with **5+ years** of experience building production-ready apps for enterprises with modern web technologies including Typescript, React, Redux and Node.js.

Achievements include:

- **60% increase** in bookings
- **90% code coverage** through integration testing
- Rapid updates to legacy systems
- **50% performance boost** in updating learning programs.

Skills

Typescript • JavaScript • Next.js

React • React Native • Redux

GraphQL • CSS • Chakra UI

HTML • GIt • Node.js • Express

Postgres • Accessability

Circle CI • AWS • Jest

Cypress • Apollo • Remix

Education

Full Stack Developer Nanodegree,
Udacity ⧉

Frontend Developer Nanodegree,
Udacity ⧉

Bachelor of Science, Journalism,
Middle Tennessee State University ⧉
Minors: Marketing & Sociology

Professional Experience

Udacity, *Frontend Engineer III, Content Platform* ⧉
04/2022 – 05/2023 | Mountain View, CA (Remote)
Architected robust solutions across content creation projects and shipped code for high-visibility products to millions of users as part of a globally distributed team.

- Led migration of large-scale content platform to Next.js and React in **under 2 months**, encompassing massive refactoring (**400,000+ lines of code**), rigorous E2E testing, and CI/CD implementation with AWS and Circle CI, increasing site performance and accelerating feature development.
- Built newly designed enrollments platform in **under 1 month,** enabling program enrollment of thousands of students and instructors across enterprise and consumer platforms. (*TypeScript, React, GraphQL*)
- Mentored junior engineers through weekly 1-on-1 calls, code reviews, and open communication via Slack, cultivating a collaborative and encouraging team environment.
- Championed a transformative shift toward integration testing with Cypress, achieving **90% code coverage**, fortifying our code deployments and bolstering testing efforts.
- Developed dynamic course update feature, enabling content managers to easily visualize and update out-of-date content, cutting update times by **~50%** and significantly reducing stale content. (Next.js, React, Redux, GraphQL)

Bellhop, *Frontend Engineer II, Growth*
03/2021 – 04/2022 | Chattanooga, TN (Remote)
Built impactful features for customer-facing web applications. Monitored application performance, strategized improvements, and quickly resolved technical issues.

- **Revamped entire customer experience** including move dashboard, booking tool, and marketing site, and set up monitoring with Sentry to improve performance and maintainability. (*Next.js, React, MUI, Cypress, CSS*)
- Increased performance of consumer booking calendar by **60%**, significantly reducing the time took to book a move and improving website conversions. (*Next.js, React, React Spring, MUI, CSS*)
- Planned and launched first-ever company tech talk and composed articles to connect with the broader developer community.

Campaign Monitor, *Frontend Engineer II, Marketing* ⧉
07/2019 – 10/2020 | Nashville, TN
Built and shipped features for enterprise marketing sites in the SaaS space. Optimized sites for performance, accessibility, and conversion. Migrated legacy tech stacks to a modern, unified system.

- Piloted production and launch of quiz application supporting **2000+ users** at Emma events, resulting in increased engagement and leads. (*React, FIrebase, GraphQL, Styled Components, CSS*)
- Spearheaded rebuilds of **3+ legacy sites** to a JAMstack-based (Next.js + headless CMS) architecture to improve performance, scale and developer experience.
- Built reusable React components to support a cohesive design system in collaboration with creative, growth and product, speeding up application development.

Horton Group, *Software Engineer I, Custom Shop* ⧉
05/2018 – 06/2019 | Nashville, TN
Engineered, tested, and launched serverless applications as part of a small, agile development team. Constructed custom WordPress marketing sites for national and local brands, like Nissan Stadium.

- Built SaaS app for OkMoveMe's product launch in **under 2 months**.
- Launched physician finder app with **200+ provider accounts** using Angular and Node.js.