

Michael Dye Senior Frontend Engineer

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- Accomplished Senior Frontend Engineer with **5+ years of experience** developing enterprise sites and applications for industry-leading organizations such as Udacity, Bellhop, Campaign Monitor, and Nissan.
- Dynamic leader who has delivered impactful talks, published articles on frontend technologies, and **successfully managed 100+ software projects**.
- Proven expertise in leading large-scale migrations, implementing cutting-edge technologies, and architecting seamless user experiences, resulting in improved performance, accelerated development, and increased customer engagement.

Professional Experience

Udacity, Frontend Engineer, Content Platform 📄 04/2022 – 05/2023

- **Led migration of large-scale content platform to Next.js**, 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.
- **Redesigned and rebuilt react-based enrollments platform in under 1 month**, enabling effortless enrollment of thousands of students and instructors into any course across our enterprise and consumer platforms.
- **Mentored 2 junior engineers** through weekly 1-on-1 calls, code reviews, and open communication via Slack, **cultivating a collaborative and encouraging team environment** while providing guidance and support in their professional growth.
- Championed a transformative shift toward integration testing with Cypress, **achieving 90% code coverage, fortifying our code deployments and bolstering our testing efforts**.
- Engineered dashboard for updating and displaying metadata across vast course catalogue, working with backend to implement GraphQL API, **empowering content team to build skills-based courses**.

Bellhop, Software Engineer, Growth 03/2021 – 04/2022

- Developed customer dashboard, booking flow, and marketing site utilizing a **micro-frontend architecture** to improve performance and maintainability.
- **Increased performance of key booking component by 60%**, significantly reducing the time to book a move.
- Launched first company tech talk and authored articles to connect with the broader developer community.
- Composed migration script for **data import of 1000+ content pieces** for new headless marketing site, speeding up time to launch.

Campaign Monitor, Software Engineer, Growth 📄 07/2019 – 10/2020

- **Launched a PWA supporting 1,000+ users** at Emma events resulting in increased engagement and conversions.
- **Spearheaded rebuilds of 3+ legacy sites** to a JAMstack based 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.

Horton Group, Software Engineer, Custom Shop 📄 05/2018 – 06/2019

- Built a SaaS app for OkMoveMe's initial product launch in **under 2 months**.
- Launched MEAN stack app with **100+ pre-registered provider accounts** for a healthcare client in partnership with the tech lead.
- **Managed and developed 100+ custom WordPress sites** for brands such as Nissan and Roger's Group.

Education

Frontend Developer & Full Stack Developer Nanodegrees, Udacity 📄

Bachelor of Science, Journalism, Middle Tennessee State University (MTSU) 📄

Minors: Marketing & Sociology

Skills

Typescript • JavaScript • Next.js • React • Redux • GraphQL • Cypress • CSS • Chakra UI • Git
Node.js • Express • Postgres • HTML • Accessibility • SEO • PHP • Python • Circle CI • AWS