

# ALEX IVY-TOWNLEY FULL STACK ENGINEER

📍 Birmingham, AL

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With 20+ years of experience building for the web, I have an eye for high-quality captivating and clear user experience, a passion for articulate, patterned, dynamic code, and an adept ability to learn on the fly. I have grounded experience in the startup sector, in dev shops, in web, mobile, and desktop development, building systems from the ground up from discovery to deployment. I am looking for a role that allows me to utilize my current skills while affording me the opportunity to grow in new ways while creating work I am proud of. I thrive in unique problem solving and solutioning, where creativity meets technology.

## EXPERIENCE

May '23 - Sept '24  
Remote

### FULL STACK ENGINEER STELLA SOURCE

- Started as an Integrations Engineer Associate, working on backend C# product deliverables, installation, and customized client integrations. In July 2024, recognized for React expertise and promoted to Associate Full Stack Engineer to develop the front end of a new SaaS product. Delivered the MVP in time for an industry conference demo, generating 1,200+ waitlist applications (600%+ over target of 200) and securing strong early market demand.
- Sessioned problem solving with team feedback to solution and develop a modular and reusable schema-based, optionally-multi-page, dynamically-generated and validated form system utilizing niche-need custom React FC form inputs designed for industry-specific functionality; this initiative towards our initial post-MPV feature release to our first waves of waitlist users reduced development time from weeks per feature to an hour per feature, enabling rapid release of features targeting primary business bets and near-immediate turnaround on user feedback cycles.
- Promoted June 2024 from Associate FSE to FSE after completing 4 month mentorship program, for leading and shaping team norms in refinements and retros, and running standup, setting a consistent team tone; for technical contributions to codebase defining code patterns, establishing a custom hooks library, niche-need React function components, and standardizing Redux implementations; for hosting multi-week training/knowledge share on Redux, Jest TDD, ADA practices, and component patterns; for participating in CI/CD, feature flag rollouts, and back end .NET API development.

May 2021 - Apr 2023  
Remote

### WEB DEVELOPER - CUSTOM SERVICES TEAM LEAD SYMLR

- Developed and customized SAAS applicant tracking systems for 100+ clients, leading cross-team knowledge-sharing sessions, improving collaboration.
- Managed SFTP accounts, developing tailored SQL for client-defined needs in custom reporting while ensuring HIPAA compliance, completing regular training to ensure up-to-date HIPAA knowledge.

Aug 2020 - May 2021  
Remote

### FULL STACK WEB DEVELOPER FLEXDIGITAL

- Developed and maintained custom WordPress sites and plugins to match client-specific business requirements for various industries, ensuring seamless integration with in-house design specifications.
- Maintained and added feature updates to desktop and mobile app .NET applications, including SQL database updates to accommodate new features and data requirements.

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## PROJECTS

### **MARATHON SAFETY TRAINING** for **MARATHON ELECTRIC**

Birmingham, AL | March 2022 - March 2023

Discovery, solo design and development, deployment, and delivery of a full stack MERN app; a training portal to serve industry-compliant safety and equipment training and certification to the 700+ contractors employed by Marathon Electric across multiple states within the southeast, successfully delivering over 30,000 completed certifications to date.

### **THE UNSENT PROJECT** for **RORA BLUE**

Remote | March 2023 - March 2024

Revived primary site functionality for The Unsent Project, re-enabling public submissions with upscaled and tightened filtering, enabling IP-based rate limiting in serverless AWS Lambda backend to ensure safety standards were met for all users, as well as optimizing Google ad placement with endless loading feed scroll placements to increase revenue. Furthered development and deployment of previously unfinished admin app to enable admin approval or removal of submissions violating safety standards, released as MVP to Rora and moderation team.

## EDUCATION

### **FULL STACK WEB DEVELOPER** at **INNOVATE BIRMINGHAM**

Birmingham, AL | Sep 2019 - Dec 2019

Completed intensive MERN full-stack training, including hands-on projects and a mobile app MVP in React, React Native, Node.js, and MongoDB.

## TECH STACK

### **FRONT END DEVELOPMENT**

React | Next.js | Redux +sagas +slices | TypeScript | HTML | CSS | SCSS | MUI | Bootstrap | Formik | Jest | ESLint | ADA Compliance

### **BACK END DEVELOPMENT**

Node.js | Express.js | PHP | Rust | C#/.NET | RESTful APIs | SQL | NoSQL | Serverless/Lambda

### **TOOLS**

TDD | E2E Testing | CI/CD | Git | ADO | AWS | Vercel | WP | Salesforce | Jira | MongoDB | Apache | Postgres | Prisma | Axios