Matthew Bowler

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SUMMARY

Senior Full-Stack Engineer with 7+ years of experience building high-performance web applications. Specialized in modernizing legacy architectures (AngularJS to React) and developing complex geospatial data visualization tools using Google Maps API. Proven track record of optimizing heavy front-end rendering performance for network planning tools and leading cross-functional teams in Agile environments.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Ruby, Python, SQL, HTML5, SCSS.

Front-End: React, Redux, Vue.js, Vuex, Angular, Tailwind CSS, Google Maps API (Vector Tiles).

Back-End: Node.js, Express, Ruby on Rails, MoleculerJS, PostgreSQL, MongoDB.

DevOps & Tools: AWS, Docker, Git/GitHub, CI/CD Pipelines, Jest, Enzyme, RSpec.

PROFESSIONAL EXPERIENCE

Altman Solon   Boston, MA (Remote)
Product Consultant / Senior Software Engineer   *Oct 2021 – Present*

- Led the strategic migration of a mission-critical legacy codebase from AngularJS to React, resulting in a 40% reduction in technical debt and significantly faster feature deployment cycles.
- Architected advanced geospatial visualizations using the Google Maps API and vector layers, enabling telecom providers to render thousands of network nodes efficiently.
- Solved critical rendering performance issues in "Lasso" multi-select tools by refactoring sequential API calls into optimized bulk operations, reducing UI latency by over 60%.
- Developed complex equipment editing modules for "Flowerpot" and Microduct planning optimizers, allowing engineers to visualize and adjust Crossbore plans post-calculation.
- Redesigned "Fault Tree" data structures to handle large JSON payloads more efficiently, improving the speed of risk analysis algorithms.
- Collaborated with UX designers to overhaul complex workflow interfaces, ensuring accessibility and ease of use for non-technical stakeholders.

Human Care Systems   Boston, MA
Senior Software Engineer & Onboarding Team Lead   *Nov 2019 – Oct 2021*

- Co-led a comprehensive front-end rewrite using Vue.js and Vuex, establishing modular design patterns that improved code readability and scalability.
- Engineered automated communication features including in-browser SMS and physical mail triggers, directly increasing platform engagement metrics.
- Served as Onboarding Team Lead, designing technical assessments and training curricula that reduced new-hire ramp-up time by 30%.
- Maintained and optimized backend microservices using Node.js, MoleculerJS, and MongoDB to ensure high availability for patient management data.

Censinet   Boston, MA
Full Stack Developer   *Jan 2019 – Nov 2019*

- Built a SaaS third-party risk management platform using React, TypeScript, and Ruby on Rails, serving major healthcare providers.
- Enhanced automated scoring algorithms for vendor risk assessments, improving data accuracy across diverse questionnaire types.
- Implemented Federated Single Sign-On (SSO) via OAuth, streamlining secure access for enterprise clients.
- Championed code quality initiatives by leading daily stand-ups and enforcing strict code review standards.

EDUCATION

Launch Academy   Boston, MA
Apprentice Full Stack Web Developer   *Jun 2018 – Nov 2018*

- Intensive 24-week bootcamp focused on production-grade development in Ruby on Rails and React.