

ANDREW BORSTEIN

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SUMMARY OF QUALIFICATIONS

Senior front end software engineer with a decade of experience creating thoughtful and resilient user interfaces that are responsive, performant, and accessible. Award-winning web development instructor deeply committed to mentoring junior developers, fostering collaborative and inclusive teams that prioritize pair programming and enjoy code review. Eager to collaborate with product managers, designers, and back end developers as an enthusiastic product partner at every phase of SDLC. Recognized as a web accessibility expert and a fierce advocate for end users. Excellent communicator with passion for automated testing, good documentation, and maintainable code.

KEY ACCOMPLISHMENTS

- Architected and developed greenfield front end project that was centerpiece of half billion dollar acquisition
- Cultivated most engaged and well-attended Community of Practice (CoP) with 150% attendance increase
- Transformed critical users flows from stakeholder interviews into e2e test suite for previously “untestable” app
- Reduced production bugs by 60% via error tracking system with alerting and session replay videos
- Led cross-functional initiative to choose design system, document impact; included ICs, managers, executives
- Enhanced brand sentiment and increased customer market 15% by establishing culture of accessibility
- Sped up developer and contractor velocity 3x by creating design system and scalable utility style CSS architecture
- Won Student Choice Award for teaching, doubled conversion and retention, and received 100% approval rating

CORE COMPETENCIES

Responsive Design, Web Accessibility (a11y), Web Performance and Optimization, User Interfaces, User Experience Design (UX Design), Component-Based Architecture, Design Systems, Debugging, Troubleshooting, Unit Testing, Integration/End-to-End Testing, Micro Frontends (MFE), Internationalization (i18n), Refactoring, Agile, Software Development Life Cycles (SDLC), Continuous Integration (CI), Continuous Deployment (CD), Full Stack Development, Documentation, Code Review, Pair Programming, Object Oriented Programming, Model-View-Controller (MVC), REST APIs, Relational Databases, Version Control, Cross-Functional Collaboration, Product Leadership, Working Asynchronously, Web Development Instruction/Teaching, Curriculum Development, Mentoring

TECHNICAL SKILLS

Typescript, Javascript, ES6 • React.js, React-Router, NextJS, Node.js, Webpack, Vite, Redux, Create React App • D3, VisX, Nivo • Single-Spa, SystemJS • Date-fns, MomentJS, Intl • Storybook, Mantine, Material-UI, Tailwind • SCSS, Emotion, Styled Components • HTML, JSX, HAML, ERB • WCAG, WAI-ARIA, Axe • Cypress, Jest, React Testing Library, Minitest • Ruby on Rails, PostgreSQL, MVC • Tanstack Query, Axios, GraphQL, Apollo, REST APIs • Git, CircleCI, Docker, AWS, Heroku, Vercel, Netlify • Datadog, Segment, LaunchDarkly, Transifex, Cloudinary

SOFTWARE EXPERIENCE

XEN PLATFORMS, New York, NY, Aug 2023 – Present

Front End Architect

- Lead migration of a quarter of million lines of legacy code into a single modern Typescript/React app
- Upgrade major dependencies (fewer security risks, faster developer onboarding)
- Create custom migration architecture (incrementally adoptable modern tooling)
- DX improvements like auto formatting and linting (improved readability, faster review)
- Enable Typescript development (fewer bugs, faster development, improved code clarity)
- Create new component library (improve UX, unify UI, simplify client customization)
- Improve API development (better performance, less boilerplate)
- End-to-end test coverage (validate critical user flows, reduce production bugs)
- Real-time error monitoring and user analytics (understand user behavior, quickly triage issues)

LIGHTSPEED, Montreal, QC, April 2021 – May 2023

Principal Front End Software Engineer

- Empowered restaurateurs by creating rich data visualizations and actionable insights with D3, VisX, Nivo
- Evaluated and chose architecture, frameworks, and dependencies for large-scale, global React/Typescript app
- Integrated authentication, CI/CD, test suites, error monitoring, feature flags, user analytics, internationalization
- Created dual-mode build process: Static CRA app (standalone) + SystemJS module in Single-Spa (micro frontend)
- Increased new dev onboarding speed with organized documentation re: development and decisions (ADRs)

- Strengthened team dynamics by interviewing front end candidates and improving assessments
- Bridged cross-functional squads with shared initiatives like internal design system, MFE product switcher
- Collaborated closely with product team to deliver impactful designs; advised on user experience, accessibility

WESPIRE, Boston, MA, May 2015 – April 2021

Senior Full Stack Software Engineer, August 2018 – April 2021

- Created front end architecture praised by contractors as “the most productive I’ve ever worked in”
- Led front end development in Rails monolith, converting legacy page views to component-based React layouts
- Planned, delivered entire features; user stories, wireframing, databases, models, APIs, components, and tests
- Guided best practices around inclusive design and accessible, semantic UI
- Mentored junior developers and helped new hires onboard and succeed

Full Stack Software Engineer, January 2016 – July 2018

- Increased speed of UI development using new front end architecture
- Built tool to convert HRIS data into user accounts to simplify onboarding
- Implemented inline end-to-end @tagging feature to increase app share-ability

QA Engineer, May 2015 – December 2015

- Streamlined CLI and deployment, saving 10 hours per week and increasing releases
- Improved accuracy, increased coverage, and optimized speed of automated test suite

TEACHING EXPERIENCE

STACK EDUCATION, Boston, MA, August 2018 – May 2019

Instructor/Author

- Designed 1-day workshop teaching software development to non-technical roles
- Feedback: "Andrew was an excellent instructor... he delivered a lot of information in a very accessible way, and the class format was a perfect blend of experiential learning, demonstrations, and lectures. I am extremely particular about teaching styles, and I would give Andrew an A+. I would highly recommend him to anyone."

STARTUP INSTITUTE, Boston, MA, May 2015 – October 2018

Instructor/Author

- Developed, designed, and taught core front end and back end web development curriculum
- Doubled retention and conversation rates for full-time program; received 100% approval rating

ADDITIONAL EXPERIENCE

BROWNBORG STUDIOS, Providence, RI, July 2010 – February 2015

Founder & Developer

- Developed easy-to-use Wordpress websites for small businesses and nonprofits; generated \$40k in revenue

MONTY ARE I, USA, January 2004 – April 2010

Touring & Recording Artist

- Released 5 albums, completed 7 nationwide tours, signed to Island/Def Jam Records, [offered Cheetos to Jay-Z](#)

AWARDS

INNOVATION HACKATHON WINNER • Lightspeed, May 2022 – NextJS + Tailwind app won top prize from hundreds of participants across the entire product & technology organization.

STUDENT CHOICE • Startup Institute, April 2017 – Awarded by students in the full-time Web Development track to one instructor as recognition for "outstanding teaching, listening, mentoring."

INSPIRED BY YOU • WeSpire, June 2016 – Quarterly award given to a team member who “goes above and beyond in their role to make a particularly positive impact on the company”.

DEAN’S SCHOLAR • University of Pennsylvania, April 2013 – One of only nine students in the School of Arts & Sciences nominated by faculty for "outstanding academic achievement and intellectual promise."

EDUCATION

UNIVERSITY OF PENNSYLVANIA • B.A., Psychology, summa cum laude