

BRIAN ENG

SENIOR SOFTWARE ENGINEER

(646) 510-6063
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Front-End Software Engineer with 11+ years of experience specializing in architecting and delivering high-volume, scalable, and performant user interfaces. Solution-oriented and proactive, with a proven track record of increasing team efficiency by streamlining workflows and automating repetitive processes. Deep expertise across the modern web ecosystem, including DOM, Web APIs, and JavaScript (ES6+), with a focus on WCAG accessibility compliance and cross-functional collaboration.

EXPERIENCE

Senior Software Engineer **Wunderkind**

Aug 2019 – Present
Remote

- Developed an internal platform solution that eliminated a critical workaround, transforming highly repetitive, manual changes into a streamlined process, achieving an 80% increase in efficiency
- Engineered a custom internal React-based Chrome extension tool that enabled real-time live visualization and testing, resulting in a 70% increase in integration testing speed and efficiency
- Built customer-facing applications, focusing on scalability and high availability while guaranteeing zero performance degradation by maintaining a neutral impact on Core Web Vitals (LCP, CLS) for client sites
- Established a core library of highly reusable code deployment logic for client integrations, setting team engineering standards and driving significant improvements in maintainability and integration velocity
- Partnered with Product, Design, and QA throughout the SDLC to deliver business value, ensuring code adherence to established engineering standards and WCAG accessibility guidelines
- Drove team performance and quality standards through rigorous code reviews, thought leadership, and mentoring, accelerating new engineer ramp-up time by 20% by documenting and sharing standardized solutions to frequently seen integration issues
- Provided creative and sustainable technical solutions during development and integration roadblocks, mentoring team members on best-practice application patterns to ensure application quality

Front End Web Developer **Tobii**

May 2018 – April 2019
New York, NY

- Built enterprise applications for large-scale quantitative research on a SaaS cloud-based platform, managing data and real-time streams from hardware eyetrackers and webcam/mobile cameras
- Implemented new user-facing feature branches for the platform, including a mobile/tablet device simulator that supported eyetracking from device camera in any browser window
- Developed and standardized reusable AngularJS templates for eyetracking platform, ensuring cross-device compatibility for data collection applications

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- Ensured technical feasibility of platform UI/UX designs through prototyping and usability testing
- Designed and executed E2E automation test scripts using Selenium, BrowserStack, Jenkins, and AWS, and defined unit tests in adherence to Test-Driven Development (TDD) practices
- Tested and documented the complex integration layer between the platform user interface and capture devices (which included hardware eyetrackers and integrated device cameras)

Jr. Web Developer
Sticky - acquired by Tobii

February 2014 – May 2018
New York, NY

- Developed custom, cross-browser responsive web experiences and client-facing content, leveraging JavaScript, jQuery, and Bootstrap with a strong focus on browser/DOM manipulation
- Integrated platform services with major client survey platforms (SurveyGizmo, Qualtrics, ConfrmIt) and third-party data services (e.g., Podio, Salesforce, Google Analytics) by writing Python/Node.js scripts to consume the platform's REST API
- Optimized client digital assets (interactive ads, videos, images) for high visual and emotional impact in proprietary eye-tracking and facial coding sessions, ensuring optimal performance within the system
- Drove quality assurance (QA) for platform UI and features by implementing comprehensive test plans, manual test cases, and processes, ensuring all deliverables conformed to web standards
- Provided supporting media and development expertise by utilizing Photoshop for image optimization and making necessary edits to Flash and video assets
- Managed the successful migration and complete rebuild of the company's WordPress webpage and hosting environment to an Amazon EC2 Bitnami LAMP stack

SKILLS

Languages:	JavaScript (ES6+), TypeScript, HTML5, CSS3, Python
Frameworks/Libraries:	React v18, jQuery, Bootstrap, Ember.js, Angular
AI/Productivity Tools:	GitHub Copilot, Claude
QA/Testing:	BrowserStack, Jenkins, Selenium Webdriver, TDD
Build Tools/Version Control:	Webpack, npm/yarn, Git, GitHub, GitLab, Bitbucket
Backend/Data:	RESTful APIs, GraphQL, Node.js
Performance/Compliance:	WCAG, Lighthouse, Web Vitals, SEO principles
Hosting/Infrastructure:	AWS EC2, AWS Lightsail, Wordpress

EDUCATION

General Assembly - Python Programming
NYU School of Engineering – B.S. Integrated Digital Media