Brian Eng

(646) 510-6063 | brianeng87@gmail.com | linkedin.com/in/brianeng00 | github.com/brianeng00 | brianinteractive.com | Nutley, NJ

PROFESSIONAL SUMMARY

Browser-layer platform engineer with 11+ years building embedded JavaScript, integration libraries, and developer tooling in third-party environments I did not control. Framework-agnostic by way of browser-layer depth: 4 years production Ember.js, now building in React 19 and TypeScript. At Wunderkind (2019-2025), owned the team's shared integration library, built a React and TypeScript Chrome extension that cut integration testing time by 70%, and held **zero Core Web Vitals degradation** across high-traffic client sites under strict delivery SLAs. Currently building and shipping AI-native developer tooling during a focused search for a platform or DX role. Treats WCAG accessibility and performance as hard constraints, not goals.

CORE COMPETENCIES

TypeScript & JavaScript | React & Ember.js | Frontend Architecture | Embedded JS & Script Delivery | Shared Library Ownership | Core Web Vitals | Unit & E2E Testing | Technical Mentorship

WORK EXPERIENCE

Independent

Dec 2025 - Present

AI-Native Developer Tooling (Self-Directed Engineering)

Remote

- Built and shipped **FlightTrack**, a real-time tracking SPA in **React 19 and TypeScript**: renders live aircraft positions on a WebGL map, dead-reckons each position at 10fps between 60s polls so motion reads as continuous, and escalates to an early poll when a projected position diverges past tolerance. **Unit tests in Vitest and React Testing Library, end-to-end in Playwright**
- Architected a **multi-agent development workflow** spanning Google's Antigravity IDE (Gemini Pro) and Claude Code, delegating discrete implementation tasks across two vendor AI ecosystems while retaining review and correction authority over all shipped output
- Designed and built an **agentic evaluation pipeline** in Node.js that scans, scores, and tracks opportunities against a custom multi-factor framework; a zero-token scanner stage queries ATS REST APIs directly before any model call, keeping cost proportional to signal. **100+ roles evaluated** end to end
- Shipped native **Android and iOS** ambient display apps sharing one feature set across both platforms, integrating four REST APIs and on-device ML; root-caused a concurrency deadlock and a native-library crash reproducible only on physical hardware

Wunderkind

Aug 2019 - Dec 2025

Senior Software Engineer | **Senior from Jan 2023**

Software Engineer

Remote

- Owned and maintained the team's **shared integration library**, driving **frontend architecture decisions** across the team: curated reusable patterns for recurring client-side problems, set the code review standards other engineers followed, and kept it current as new edge cases emerged
- Built a **React and TypeScript** Chrome extension as an internal dev tool for real-time live testing of embedded experiences on client sites: DevTools panel UI, content scripts for DOM injection, wired into the existing extension build pipeline. **Reduced integration testing time by 70%**
- Maintained **zero Core Web Vitals degradation** (LCP, CLS) across high-traffic client sites under strict delivery SLAs while shipping continuously
- Built and instrumented **A/B-tested** embedded experiences on conversion-critical client sites, wiring event tracking and variant measurement into the script delivery layer
- Built an internal feature on a **legacy EmberJS platform** from zero documentation, eliminating a manual design-team workaround and reducing a 10-20 minute per-creative process to seconds (80% efficiency gain)
- Collaborated cross-functionally with Product, Design, and QA from **Figma** specs, ensuring **WCAG accessibility compliance** on every deliverable, and provided **technical leadership** through code review and mentorship that accelerated new-hire ramp-up by 20%

Tobii

May 2018 - Apr 2019

Front End Web Developer

New York, NY

- Built **data-dense enterprise applications** for large-scale quantitative research on a SaaS platform, translating **real-time data streams** from hardware eyetrackers and cameras into legible interfaces for enterprise researchers
- Developed and standardized **reusable AngularJS component templates**, ensuring cross-device and cross-browser compatibility for data collection applications
- Designed and executed **end-to-end automation test suites** using Selenium, BrowserStack, Jenkins, and AWS in adherence to TDD practices

Sticky (acquired by Tobii)

Feb 2014 - May 2018

Jr. Web Developer

New York, NY

- Built custom cross-browser responsive web experiences in JavaScript, jQuery, and Bootstrap with a focus on DOM manipulation and browser compatibility
- Integrated platform services with survey platforms (Qualtrics, SurveyGizmo, ConfirmIt) and data services (Salesforce, Google Analytics) via **Python** and Node.js REST API scripts

PROJECTS

FlightTrack

Open Source

Real-time flight tracker SPA in **React 19 and TypeScript**. Renders live aircraft on a WebGL map; dead-reckons positions at 10fps between 60s polls (spherical law of cosines) so icons glide rather than jump; triggers an early poll when a projected position diverges past tolerance. Geolocation degrades GPS to IP to default, 429s back off with a user-facing countdown, polling pauses via the Page Visibility API, and the map degrades gracefully without WebGL. github.com/brianeng00/flight-track

React 19, TypeScript, Vite, MapLibre GL JS (WebGL), Vitest, React Testing Library, Playwright E2E

Top Bar Automator

Open Source

React and TypeScript Chrome extension for real-time live testing of embedded experiences on client sites. DevTools panel UI in React, content scripts for DOM injection, integrated with the extension's multi-entry Webpack build pipeline. github.com/brianeng00/top-bar-automator

React, TypeScript, Chrome Extension API, DOM injection, Webpack

career-ops

Agentic Pipeline

Scans, scores, and tracks opportunities against a custom multi-factor framework. A zero-token scanner stage hits Greenhouse, Ashby, and Lever REST APIs directly before any model call, keeping cost proportional to signal. 100+ roles evaluated, 130 structured reports generated.

Node.js, Playwright, REST APIs, Claude, YAML, batch orchestration

EDUCATION & CERTIFICATIONS

B.S. Integrated Digital Media, NYU School of Engineering

Web Accessibility (ud891), Udacity

Python Programming, General Assembly

SKILLS

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3, Python

Frameworks & Libraries: React 19 / v18, Ember.js (4 yrs production), AngularJS, jQuery, Bootstrap, MapLibre GL (WebGL)

Architecture: Component design patterns, state management, shared library ownership, embedded JS, third-party script delivery, responsive layouts

Browser & Platform: DOM manipulation, Web APIs, Chrome Extension API, cross-browser compatibility

Testing, CI/CD & Reliability: Vitest, React Testing Library, Playwright (E2E), Selenium WebDriver, BrowserStack, Jenkins, TDD, Webpack, Vite, Git

APIs & Data: RESTful APIs, Node.js, real-time data streams, OAuth2

Performance & Accessibility: Core Web Vitals, WCAG, Lighthouse, SEO

Experimentation: A/B testing, event instrumentation, conversion measurement, Google Analytics

AI & Tooling: Claude Code, Google Antigravity (Gemini Pro), Cursor, GitHub Copilot, Ollama, multi-agent orchestration, Figma, AWS EC2/Lightsail