

Bryan Aument

Frontend Software Engineer

bryaument@gmail.com | <https://bryan-aument.surge.sh> | [linkedin/in/bryanaument](https://www.linkedin.com/in/bryanaument) | 223-278-0165

Pennsylvania, USA | San Diego, USA

Experience

Sajeon Korean English Dictionary

Founder & Technical Lead (Remote): 12/2020 - Present

- Designed, developed, deployed CI/CD pipelines for Sajeon, an open-source, full-stack web application enabling Korean-English language learners to search linguistic data.
- Built the frontend architecture using React, Next.js, and TypeScript, implementing dynamic search, server-side rendering (SSR), and API caching for optimal performance. Designed with a mobile-first, responsive layout.
- Developed a scalable backend with MongoDB and GraphQL, supporting real-time database queries and efficient content management for users and administrators.
- Implemented SEO optimizations, including dynamic metadata, sitemap generation, and Open Graph structured data for improved search rankings and SMS sharing.
- Led and mentored a cross-functional team, optimizing workflows and aligning engineering, UX, and product strategy to deliver high-impact features.

SIVA Inc

Senior Frontend Software Engineer (Tokyo, Japan): 03/2024 - 09/2024

- Developed and implemented front-end components and tools for an all-in-one digital B2B ad platform.
- Defined product requirements, created epics, stories, and tickets, and outlined technical specifications.
- Facilitated and presented new features and fixes for internal demos for biweekly sprints in Japanese.
- Used BigQuery to gather data from HubSpot and Mix-panel; collaborated with backend teams to serve data via API.
- Managed infrastructure tasks with Cloudflare, CORS, and AWS to support staging and testing environments.
- Implemented UI performance optimizations, reducing load times and improving page speed for transaction-heavy workflows.

Ernst and Young

Senior Frontend Software Engineer (Pennsylvania): 8/2019 - 3/2024

- Built accessible, scalable web component libraries and design systems, unifying client codebases using React, TypeScript, CSS, HTML, and Tailwind.
- Improved accessibility compliance (WCAG AA) and test coverage to 80% using Jest, Puppeteer, Testing Library.
- Implemented API-driven UX/UI workflows, integrating via RESTful APIs and GraphQL to handle data interactions.
- Designed and implemented a React Native-based IoT feature (Vacation Settings), enabling users to control devices across multiple properties with optimistic UI updates and offline caching strategies.
- Led a team of three engineers to align a Material UI theme wrapper with a custom component library, ensuring consistent theming, scalability, and framework-agnostic usage across multiple teams.
- Built and deployed React + Storybook front-end documentation tools, streamlining component integration with Salesforce designs and UX team input, accelerating backend development.
- Implemented advanced state management (Redux, Context API) to optimize performance, reduce re-renders, and improve maintainability.
- Led company-wide tech talks to drive cross-team collaboration and best practices.

Apple

Specialist (Pennsylvania): 10/2016 - 05/2018

- Produced over \$500,000 in sales within the first three quarters and maintained customer satisfaction score of 98%.
- Solved customer issues such as recovering lost data, learning to use new devices, and Japanese language support.

Education & Skills

Millersville University of Pennsylvania: B.S. Computer Science *Magna Cum Laude*

The Pennsylvania State University: B.A. International Politics, & *B.A. Japanese*

Frontend Technologies: React, Next.js, Stencil, TypeScript, JavaScript, HTML, CSS, Sass, Tailwind

State Management: Redux, Context API, MongoDB

Testing & QA: Jest, Storybook, Testing Library, Playwright, Puppeteer

Performance & SEO: Server-Side Rendering (SSR), Static Site Generation (SSG), Core Web Vitals, Lighthouse Audits

Soft Skills: Technical Leadership, Cross-Functional Collaboration, Agile, Mentorship