Yazeed Bzadough

Senior Front-End Engineer

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Senior Front-End Engineer / Amazon *(Sep 2022 - Present)*

- Leading teams of ~10 engineers. Responsible for technical direction of AWS Config Console, and Audible.com's design system library (100+ accessible components used by 8 engineering teams).
- Led delivery of VP-level goal to fix 200+ accessibility violations for Section508 compliance.
- Developed a 1.5-year roadmap for Audible.com to achieve 2025 EU Accessibility compliance, coordinating multiple engineering and marketing teams to meet WCAG 2.1 standards.
- Regularly mentored 10+ engineers across orgs, helping several get promoted.
- Introduced pre-prod canary testing in my first 90 days, leading to a 70% decrease in canary production errors and org-wide operational recognition for our team.
- Implemented on-call ticket triaging standards to reduce inbound ticket queue by 20% within 2 months.
- Mentored engineers on authoring docs for test migration strategy and best practices, leading to 400+ tests written and boosting code coverage from 20% to 80% in 3 months.
- Identified and fixed several race conditions in our integration tests, increasing success rate from 65% to 100% and eliminating blocked pipelines due to flaky tests.
- Mentored engineers through a site-wide navbar redesign - eliminating an entire category of quarterly high-severity tickets, fixing all accessibility issues, and allowing marketing teams to safely deploy navbar customizations via no-code editor.
- Resolved a high-severity security issue by discovering and leveraging undocumented Config API functionality, and worked with our technical writers to release public documentation for all customers.

Software Architect, Co-Founder / Neurify Technologies *(Dec 2021 - Mar 2023)*

- Built multi-tenant app for teams of EEG technicians to monitor patients during their 1-3 consecutive day studies, on any device with real-time alerts/messaging based on key lifecycle factors.
- Advertised at US's largest epilepsy conference. Gained the interest of a $500 million conglomerate in our target market, to provide them a competitive edge in a sibling market for a $2 million acquisition.

Principal Front-End Engineer / ADP *(Dec 2020 - Aug 2022)*

- Maintain internal design system, mobile, and desktop apps for Roll by ADP.

- Allow screen-reader users to access critical functionality through SR labels, ARIA, and semantic HTML.
- Refactor legacy code while delivering full-stack features and bug fixes.
- Create documentation and video tutorials to increase developer onboarding efficiency.

Lead Front-End Developer and Designer / Cigna *(July 2017 - Dec 2020)*
- Built benefit conversion application, saving $2.5 million by automating 20 years of manual spreadsheet work.
- Leading ReactJS migration, expected to save millions by cutting client onboarding and maintenance costs, and retiring legacy benefit management systems.
- Delivered internal React Hooks presentation to 100 developers, and provided guidance to migrating teams migrating.

Front-End Developer / Forbes *(May 2016 - July 2017)*
- Shipped AoT (ahead-of-time) compiled Angular Universal app with server-side rendering, improving load times by up to 250%.
- Angular adopter since version 2.0.0-rc-1.
- Contributed to Angular Universal repo.
- Wrote services powered by Angular's Virtual DOM to manipulate asset tags between server and client side
- Built web components using Custom Elements API and RxJS for integration within Angular Universal app.

Relevant Skills
- Tech and frameworks
  - HTML5, CSS3, SCSS, Styled Components, TailwindCSS
  - JavaScript (ES6+), TypeScript, Webpack, Vite
  - React.js, Next.js, Redux, XState, Context API
  - Web Components (StencilJS, Lit)
  - GraphQL, REST APIs, WebSockets
- Accessibility and Performance
  - Web Performance Optimization (Lighthouse, Core Web Vitals)
  - Accessibility (a11y), WCAG 2.1, ARIA, Section 508 Compliance
  - Server-Side Rendering (SSR), Static Site Generation (SSG)
  - Code Splitting, Lazy Loading, Caching, Webpack Optimizations
- Testing & Quality Assurance
  - Unit & Integration Testing: Jest, Mocha, Chai
  - End-to-End (E2E) Testing: Cypress, Playwright, Selenium
  - Accessibility Testing: Axe-core, Lighthouse Audits
  - Test Automation, CI/CD Pipelines
- Architecture, DevOps & Cloud
  - Design Systems, Component-Driven Development, Atomic Design
  - Monorepos, Micro Frontends, Module Federation

- - AWS (S3, Lambda, API Gateway, CloudFront, DynamoDB)
    - Docker, Kubernetes, Terraform, CI/CD (GitHub Actions, CircleCI, Jenkins)
- Collaboration & Agile Development
    - Agile, Scrum, Kanban, Jira, Confluence
    - Cross-functional Collaboration (PMs, Designers, QA, DevOps, Marketing)
    - Code Reviews, Pair Programming, PR Best Practices
    - Stakeholder Communication, Roadmap Planning
- Leadership, Strategy & Business Alignment
    - Engineering Leadership, Mentorship & Technical Guidance
    - Technical Debt Reduction, Codebase Refactoring
    - Business Strategy, KPI-Driven Development
    - Security & Compliance (OWASP, Auth, JWT, OAuth)