

Bawa Awumbila

awumbila08@gmail.com | [LinkedIn: linkedin.com/in/awumbila](https://www.linkedin.com/in/awumbila) | [GitHub: github.com/bawumbila](https://github.com/bawumbila) | [Portfolio: bawumbila2.netlify.app](https://bawumbila2.netlify.app)

PROFESSIONAL SUMMARY

Passionate Front End Software Engineer with 4+ years of experience architecting and delivering responsive, user-centric web applications. Expert at leveraging JavaScript (ES6+), TypeScript, React.js, Angular, HTML5, CSS3/SASS, and modern build tools (Webpack, Babel) to optimize performance and scalability. Skilled in component-based architecture, state management (Redux, Context API), RESTful APIs/GraphQL integration, CI/CD, and Agile/Scrum workflows. Adept at enforcing WCAG accessibility standards, cross-browser compatibility, and TDD with Jest and Cypress to drive user engagement and retention.

CORE COMPETENCIES & TECHNICAL SKILLS

- **Front End Development:** JavaScript (ES6+), TypeScript, React.js (Hooks, Redux), Angular, Vue.js, AJAX
 - **Markup & Styling:** HTML5, CSS3, SASS/SCSS, Tailwind CSS, Bootstrap, Responsive/Mobile-First Design
 - **State Management:** Redux Toolkit, Context API, RxJS
 - **API & Data Fetching:** RESTful APIs, GraphQL, Axios, Fetch API
 - **Testing & QA:** Jest, React Testing Library, Enzyme, Cypress, ESLint, Prettier, TDD
 - **Toolchain & Version Control:** Webpack, Babel, npm, Yarn, Git, GitHub, VS Code
 - **UI/UX & Accessibility:** WCAG, ARIA, Cross-Browser Compatibility, Figma, Adobe XD
 - **Cloud & Deployment:** AWS (S3, EC2, Lambda), Netlify, Heroku, CI/CD Pipelines
 - **Agile Methodologies:** Scrum, Kanban, Jira, Confluence, Sprint Planning
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PROFESSIONAL EXPERIENCE

BGFC Solutions • UI/Front End Software Engineer

March 2023 – Present

- Engineered 15+ reusable, accessible React.js components using Tailwind CSS and styled-components, boosting user retention by 30%.
- Implemented code-splitting and lazy loading with Webpack to reduce bundle size and improve initial load times by 25%.
- Integrated RESTful and GraphQL endpoints with Axios and Apollo Client, ensuring robust error handling and optimized data fetching.
- Automated unit tests (Jest, React Testing Library) and end-to-end tests (Cypress), achieving 85% test coverage and reducing post-release defects by 40%.
- Collaborated with UX designers to enforce WCAG 2.1 AA guidelines, improving accessibility audit scores by 20%.

- Participated in Agile ceremonies (stand-ups, sprint planning, retrospectives) and conducted peer code reviews to maintain code quality.

EstateSpace LLC • Front End Developer

April 2022 – March 2023

- Led migration from legacy JavaScript to a modern React.js + Redux codebase, increasing application performance by 20%.
- Designed dynamic dashboards and interactive forms with Tailwind CSS and Bootstrap, enhancing UI consistency and reducing development time by 15%.
- Implemented secure OAuth 2.0 authentication flows and managed application state with Redux Toolkit to safeguard user data.
- Defined API contracts in collaboration with backend teams, leveraging Express.js and MongoDB to ensure performant endpoints.
- Enforced linting and formatting standards (ESLint, Prettier) through pre-commit hooks, standardizing code quality across the team.

General Assembly • Software Engineer Fellow

February 2021 – April 2022

- Completed 500+ hours of immersive training in React, Node.js, MongoDB, Ruby on Rails, and Agile best practices.
- Built and deployed 4+ full-stack MVPs on Heroku and Netlify, integrating REST APIs, AWS S3, and CI/CD workflows.
- Applied test-driven development (TDD) principles using Jest and Supertest, reducing bug incidence by 30%.
- Collaborated cross-functionally to create responsive prototypes in Figma, translating designs into pixel-perfect code.

Additional Experience

- **Corporate Liaison**, Corporation Service Company (2019–2020): Managed Salesforce dashboards, collaborated on internal UI enhancements.
- **Operations Expert**, Apple Inc. (2012–2019): Conducted Tableau-driven front-end analytics; mentored new hires on POS UI systems.
- **GIS Technician**, GridCo (2011–2012): Produced geospatial visualizations with QGIS; ensured data accuracy for map-based interfaces.

EDUCATION

- **M.S. in Geographic Information Science & Cartography**, Indiana University of Pennsylvania
- **B.A. in Geography** (Minor: Archaeology), University of Ghana
- **Software Engineering Immersive**, General Assembly

SELECTED PROJECTS

- [EstateSpace](#) (React, Tailwind CSS, Node.js, MongoDB, AWS): Architected component library, built REST API endpoints, deployed full CI/CD pipeline.
- [Rick & Morty Character Compare](#) (HTML, CSS, JavaScript): Developed a dynamic UI for side-by-side stat comparisons, featuring debounce filtering and responsive layout.
- [Easy Grocery List](#) (Javascript, Node, Express JS): Implemented secure CRUD operations with JSON Web Tokens; automated deployments on Heroku.
- [WAVE Music App](#) (React, Firebase Auth/Firestore): Engineered login flows, playlist management, and real-time Firestore sync.

CERTIFICATIONS

- Full-Stack Software Engineering, General Assembly
- JavaScript Algorithms & Data Structures, freeCodeCamp (in progress)