Joshua Walker

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PROFESSIONAL EXPERIENCE

Reciprocity Health, Wilmington, DE (Remote) — *Software Developer*   December 2023 – March 2025

- Optimized UI components for consistency and long-term scalability by eliminating redundant code between Desktop and Mobile views, reducing the code length of their components and direct parents by 30%
- Reduced maintenance effort by approximately 75% by consolidating redundant database query logic into reusable functions, improving code maintainability, and simplifying future updates
- Led cross-functional collaboration with clients and internal teams to define requirements, architect solutions, and implement new product features and internal tooling, enhancing user satisfaction and system efficiency
- Developed and maintained full-stack applications using React, Redux, Nest.js, and RESTful services, optimizing performance and scalability, integrating third-party APIs, and improving system interoperability
- Ensured compliance with HIPAA, SOC 1/2 (type 2), implementing secure coding practices, access controls, and data protection measures to maintain regulatory adherence and protect sensitive information
- Improved the processes for generating mock data, unit testing, CI/CD, development scripts, and documentation

Bondlink, Boston, MA (Remote) — *Frontend Software Engineer*   April 2022 - April 2023

- Supported requests for new product features through customer and internal coordination, defining requirements, and integrating solutions
- Architected dozens of system components to meet strict design requirements, resulting in reusable code to reduce development effort by 40% per new web page
- Optimized customer chart rendering time by up to 500%, utilizing custom and native React performance hooks
- Achieved accessible web pages by complying with Web Content Accessibility Guidelines (WCAG) 2.2 by refactoring input components and verifying with compliance tools

Wetland Studies and Solutions, Inc., Gainesville, VA
  — Environmental Compliance Specialist - Team Lead   September 2014 - April 2022

- Developed software to eliminate ~10 hours/ week of overhead by automating folder/file organization, recurrent information, and weather data on daily inspections and reports
- Spearheaded the collection and reporting of precipitation data on 400+ weather stations, saving ~2 hours per day of manual lookup and analysis by providing a simple GUI interface to update projects/ weather stations
- Led a team of 3-5 technicians/specialists in daily inspections and client permitting, developed proposals, managed project budgets/timelines, and advised clients on permitting and regulatory project compliance

TECHNICAL SKILLS

- Programming Languages: TypeScript, JavaScript, HTML, (S)CSS, SQL, Dart, Python, Clojure(script)
- Tools/Frameworks: Git, Jira, AWS, React, Redux, Svelte/SvelteKit, PostgreSQL, MySQL, MongoDB, Node, Koa, Express, Objection.js, Knex, Prisma, Jest, Docker, Kubernetes, Flutter, Bash, PowerShell, GIS
- Certifications: AWS Certified Cloud Practitioner, WGU: Front-End Developer

EDUCATION

Western Governors University, Millcreek, UT (Remote)
B.S. Software Engineering   August 2023 – expected October 2025

Shenandoah University, Winchester, VA
B.S. Environmental Studies, B.S. Biology   August 2009 - May 2013