

Joshua Avrck

Full Stack Developer

Software Developer with five years of experience and a proven track record writing testable, maintainable, and performant software to specification.

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PROFESSIONAL EXPERIENCE

Front End Developer III, Alertus Technologies LLC.

April 2020 - Present

Baltimore, MD (Remote)

- Advocated for and guided the adoption of modern front-end tooling, including code bundling (Webpack), components (Vue), style pre-processing (SASS), and state management tools (Pinia).
- Curated internal library of custom components and personally authored 100+ components ranging from core controls to complex views including an audio recorder/visualizer and a dashboard tiling system.
- Designed and developed a new product from the ground up - a browser extension for real-time emergency mass notification which currently serves 30,000+ users across enterprise and education industries.
- Developed and continue to maintain numerous features in production including a FEMA-reviewed IPAWS origination tool (for sending Amber Alerts, etc.) and a lightning detection feed with GIS integration.
- Contributed to migration from Apache Struts to Spring Boot/MVC alongside a complete front-end redesign, personally refactoring 10,000+ lines, resulting in a more modular, testable, and maintainable codebase.
- Optimized application build time and rendering performance, addressed security concerns raised during audits, improved accessibility, internationalization, and responsiveness across application.

Front End Developer, Agora Financial

July 2019 – January 2020

Baltimore, MD

- Translated design and functional specifications into responsive, maintainable web pages, delivered to thousands of end-users through targeted marketing initiatives.
- Integrated page analytics and conducted extensive A/B variation testing to evaluate design effectiveness, resulting in a measurable increase of both user conversion and retention rates.
- Developed custom eCommerce solutions tailored to satisfy unique project requirements and contributed to early project planning and feasibility.

SKILLS

Typescript, JavaScript, Java, React, Vue, HTML, CSS, SASS, jQuery, Webpack, Rollup, Babel, Vite, Mocha, Jest, Node.js, Express, PostgreSQL, Git, AWS, Agile, Figma

EDUCATION

University of Maryland, Baltimore County

July 2017

Information Systems, Bachelor of Science