

Jamal Fox

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Skills

Frontend: JavaScript, TypeScript, Vue.js, React.js

Backend: PHP, Laravel, Golang

Database: MySQL, Redis

Cloud: AWS (EC2, RDS, Lambda, Amplify), Azure (Storage Explorer)

Other Skills: Accessibility, Observability (Grafana, Honeycomb), UI/UX

Experience

Full Stack Developer, American Reading Company – Blue Bell, PA

Mar 2021 – Present

- Developed and maintained highly performant and responsive web applications, with key contributions to both frontend and backend architecture, while maintaining a focus on usability, accessibility (a11y), and scalability.
- Led front-end development efforts in a complete overhaul of one of our flagship products, including total scaffolding, development, and maintenance, leading to a 30% increase in usage and increasing platform adoption/sales rates.
- Built and maintained a content authoring tool enabling employees from multiple departments to write curriculum content for our digital platforms 6x faster than previous years.
- Developed a key feature for our flagship product that allowed teachers to upload and grade student writing samples, leading to an additional 10% sales increase for the platform.
- Maintained a high level of awareness for digital products including logging and observability, usage analytics and site visit reports, and overall interface usability - helping to drive decisions on feature development and maintenance.
- Conducted numerous “Lunch and Learn” sessions and “Community of Practice” meetings centered around spreading accessibility knowledge - contributing to numerous teams implementing a11y best practices into their workflows.
- Managed digital product analytics dashboards through Qlik, enabling other developers and management to make informed decisions concerning the most impactful features to build, maintain, or sunset.

Projects

Fusion Editor Authoring Tool (American Reading Company - Solo Developer)

- Technologies: Golang, HTMx, JavaScript, MySQL
- Developed a content management platform to facilitate curriculum authoring for digital platforms. This project played a key role in digitizing PDF content for greater accessibility, maintainability, and flexibility. This authoring environment enabled dozens of curriculum writers to collaboratively transform content.
- Developed key features including CRUD operations integrated with the database and live application, file and asset uploads to Azure storage containers, a login system with tiered user roles for controlled authoring access, and staging environments for previewing changes before publishing.

ARC Core Fusion (American Reading Company - Key Developer)

- Technologies: Vue, Laravel, Inertia, MySQL
- Transformed a print-based reading and writing curriculum into a feature-rich web application for school districts. The platform enabled teachers to plan and track lessons, assign and assess student work, and manage classroom resources, modernizing the curriculum for digital use.
- Designed a comprehensive curriculum network tailored to districts, schools, and standards, incorporating user roles, permissions, and purchased content. Built an engine for managing and grading student assignments on a per-unit basis.

Education

Kennesaw State University – BBA in Information Systems