

# Alex Melvin

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## SUMMARY

Software developer skilled in **React, Typescript, HTML, CSS, and Node.js**. Focused on collaboration, adaptability, and achieving high technical standards. Delivering practical solutions to your digital and business needs.

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## PROFESSIONAL EXPERIENCE

### Amica Insurance

Lincoln, RI

#### React IT Developer

September 2022 to Present

- Developed new features and enhancements using **React, Redux, React Query, Typescript, HTML, CSS, Webpack** and tested with **Jest** unit tests within an **Agile/Scrum** environment.
- Lead development of new customer document uploader, generating a **150%** increase in successful uploads over 3 months. Recognized by **J.D. Power** for improved digital experience.
- Built a multi-factor authentication login user interface and enrollment page. Successfully enrolled 15% of users.
- Created **design system** components to improve **efficiency** in the entire design to development process. Reduced technical debt across the codebase.

### Joint Quantum Institute

College Park, MD

#### Software Developer

May 2019 to September 2021

- Developed a website for teaching quantum physics, including implementation of a responsive and accessible design using **React, Gatsby.js, GraphQL, HTML, CSS**.
  - Made significant improvements to load times across devices, and a new search interface among other usability enhancements
  - Enhanced the website's **content management system** using **NetlifyCMS** that supports the work of science communications and multimedia educators.
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## TECHNOLOGIES

Languages	JavaScript (ES6), TypeScript, HTML, CSS, PHP, Java, GraphQL, SQL
Libraries/Frameworks	React, Redux, Vue, Webpack, Jest, Node.js, Laravel, REST API
Tools	Git, Jira, Figma, Firebase, AWS, CircleCI, Linux

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## WEB PROJECTS

### Laravel Productivity Helper

- Built with **Laravel, PHP, MySQL, Javascript, Vue, HTML, CSS, REST API**
- Provides a productivity dashboard for users with web and mobile cross functionality

### Spotify Albums & Songs Sync

- Built with **React, Zustand, React Query, Node.js**, Spotify **REST API**, Material UI components
  - Implemented token bucket algorithm to address API request rate limiting in sync requests.
  - Utilized **Index DB** for client-side data persistence to improve user experience.
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## EDUCATION

### BS in Computer Science, BA in Philosophy (Honors, 3.4 GPA) – UMD - College Park, MD

- Computer Science coursework in data structures and algorithms, human-computer interaction, cybersecurity, web development, artificial intelligence, cryptography