

# Lee Allen

Durham, North Carolina  
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## Technologies

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JavaScript, TypeScript, React, Redux, Jest, React Testing Library, HTML, CSS, Styled Components, Node, Express, GraphQL, PostgreSQL, Vite, Webpack, Git, AWS

## Experience

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### Senior Web Engineer

(Remote) Cary, NC

Epic Games

2020 – Present

- Outlined and executed a migration from a client-side SDK to a serverless backend service, resulting in over \$100,000 per year in cost savings.
- Enhanced a React application to allow batch downloading 100 crash report files from AWS S3, streamlining troubleshooting for engineering teams.
- Coordinated cross-functional team efforts to implement new features on fortnite.com such as island ratings, design updates, and creator and island reporting.
- Designed and developed an internal package so users could navigate a React application running on consoles using their game controllers.

### Senior Software Engineer

Raleigh, NC

Industrial.io

2018 – 2020

- Improved and maintained the company's React component library, speeding up development while providing design consistency across applications.
- Built a React and Express application for users to manage their assets and related values.
- Contributed to the company's cross-platform JavaScript SDK that integrated with the company's backend microservices.

### Software Engineer

Durham, NC

Smashing Boxes

2016 – 2018

- Revamped the company's Webpack build configuration to split code, improving user experience across all projects with faster page loads and improved caching.
- Engineered a comprehensive React/Redux platform for a real estate startup, facilitating seamless connections between photographers and realtors throughout the entire workflow from initial inquiry to final photo/video delivery.
- Spearheaded development of an interactive calendar feature for a tourism SaaS platform, streamlining the event and rental booking process and enhancing user engagement.

### Associate Software Engineer

Cary, NC

Fidelity Investments

2015 – 2016

- Constructed a tabbed menu using AngularJS that upgraded the user preference management interface and improved user experience.
- Improved the application's unit test coverage from 0% to over 70%.
- Implemented integration with the company's Java and Freemarker PDF engine, enabling customers to generate and download performance reports of their portfolios.

## Education

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### The University of North Carolina at Chapel Hill

B.S., Mathematical Decision Sciences (Statistics & Operations Research)