

Charles Stover

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Summary

Software engineer with over 15 years of experience in full-stack development and strong background in real world apps.

Education

Bachelor of Science, 4.0 GPA

University of Central Arkansas, 2013

Skills

- *Expert:* HTML5, CSS3, ES6, JavaScript, Node, React, TypeScript
- *Proficient:* Chai, Docker, Express, GitHub, Material UI, Mocha, nginx, PHP, React Native, Redux, Sass, SQL, TravisCI, Webpack

Projects

- **Asset Protection Hub** – Beginning-to-end full-stack development in React and Node for the Walmart Asset Protection team. Front end included Redux, Material UI, lazy loading tabular data, charts/graphs, and collecting form data. Back end included a REST API, Express routing, SQL Server, data compression, and generating PDFs.
- **CSPPage PHP** – Automated webpage optimization utility that caches, compresses, concatenates, and otherwise optimizes HTML, CSS, JavaScript, and static file content distribution. Supports HTML and CSS variables, custom `<if>/<else>` and `<foreach>` HTML tags, YUI compression, static and dynamic file caching, and much more.
- **[ReactN](#)** – A extension of React that implements a boilerplate-free, intuitive global state management system.
- **Returns Desktop, Return & Go** – Spearheaded the migration of the Walmart Returns point-of-sale desktop application to React, built from the ground up using React's newest SASS and TypeScript support and 16.7 hook system. Applied Appium automation testing to the React Native counterpart.
- **[RPG Engine](#)** – A browser-based RPG overworld engine programmed entirely in HTML, CSS, and JavaScript. Uses sprite sheets and user input to animate highly-customizable game settings and action-triggered events. Maintains backwards compatibility all the way to Internet Explorer 6.
- **WalmartOne** – Developed the WalmartOne mobile application in React Native. Features included state management, single-sign on, and PIN and thumbprint authentication.
- **Innovation Challenge 2017** – First place winner of the ConocoPhillips Innovation Challenge Hackathon

Work Experience

<u>Front End Engineer II</u>	Amazon Web Services, Seattle, WA	2019 – Present
<ul style="list-style-type: none">• Developed and tested new features for the CloudWatch Dashboards, Events, and Logs consoles.• Lead the migration of CloudWatch Logs to operational independence and modern tech stacks.• Worked across teams to support customers, prioritize features, and deliver innovative solutions.		
<u>Walmart I.T. Consultant</u>	Kitestring, Bentonville, AR	2017 – 2019
<ul style="list-style-type: none">• Developed Asset Protection and Returns software using React.• Developed Asset Protection RESTful API services in NodeJS with Express and MSSQL.• Developed Returns and WalmartOne mobile in React Native.		
<u>Information Services</u>	J.B. Hunt, Springdale, AR	2017 – 2017
<ul style="list-style-type: none">• Worked on performance upgrades and feature implementation for Carrier360.• Front-end development for various projects, such as UserVoice and Angular Components.		
<u>Technical Author</u>		2010 – Present
<ul style="list-style-type: none">• Published articles on the optimization of front-end and back-end performance.• Published tutorials for JavaScript applications and concepts, primarily with React.• https://charlesstover.com/portfolio/medium		
<u>Freelance Web Developer</u>		2006 – 2017
<ul style="list-style-type: none">• Modified open-source and proprietary software packages to correct errors and extend functionality.		