

Summary

Staff+ front end engineer (tech lead, architect) with an expertise in monitoring, operations, TypeScript, and React.

Skills

- *Expert:* CloudWatch, CSS3, ES6, Git, HTML5, JavaScript, Jest, Node, NPM, React, Redux, TypeScript, Yarn
- *Proficient:* AWS, Chai, Docker, Express, Mocha, nginx, PHP, React Native, Rollup, SASS, SQL, Webpack

Projects

- *2022 – Coalition broker sales platform* – I established and documented the on-call, operational audit, and technical lead processes. I standardized and distributed front end monitoring packages and CI/CD templates across six applications, three dependency repositories, and all front end teams for all acquired organizations. These actions led to a reduction in application error rates by an average of 90% in 3 months.
- *2021 – CloudWatch Container Insights, Contributor Insights, Lambda Insights, Logs, and Logs Insights consoles* – I unified and unblocked cross-continental teams; created reusable components, utilities, and monitoring software that spanned multiple AWS services; improved CloudWatch's application monitoring with queryable log events; migrated availability monitoring to a fully cloud-native infrastructure, decreasing false alarms; wrote foundation code that allowed my team to double the number of offered dashboards; and resulted in a 20x larger user base.
- *2020 – [ReactN](#)* – I open-sourced an extension of React that offers a boilerplate-free, intuitive global state management solution that, at its peak, received over 8,000 weekly installations, totaling half a million downloads.
- *2018 – Asset Protection Hub* – I led full-stack development for the Asset Protection team in React and Node; built the front end using Redux, Material UI, visualizations, and form data entry; and built the back end as a REST API with Express routing, SQL Server, custom data compression, and dynamically generated PDFs.
- *2017 – Innovation Challenge* – I won first place in the ConocoPhillips Innovation Challenge Hackathon by mapping 360-degrees of obstructions as scanned by a remote-controlled robot to a web interface.
- *2016 – CSPage PHP* – I automated web page optimization by caching, compressing, concatenating, and otherwise optimizing HTML, CSS, JavaScript, and static file content distribution; supported HTML and CSS variables and custom `<if>/<else>` and `<foreach>` HTML tags; and cached both static and dynamic files.
- *2012 – [RPG Engine](#)* – I wrote a browser-based RPG overworld engine programmed entirely in HTML 4, CSS 2, and JavaScript; used sprite sheets and user input to animate highly customizable game settings and action-triggered events; and maintained backwards compatibility for Internet Explorer 6.

Work Experience

<u>Senior front end engineer</u>	Coalition, Inc.	2021 – Present
<u>Senior front end engineer</u>	Amazon Web Services, Seattle, WA	2019 – 2021
<ul style="list-style-type: none">• Migrated my team's products to operational independence.• Scoped, estimated, tracked, and delegated five cross-team products end-to-end.• Actively engaged customers and product managers to better understand and improve products.• Wrote significant portion of code foundation, allowing team to reuse and rapidly iterate features.• Improved availability, performance, and customer experience monitoring; and automated localization.		
<u>Walmart I.T. consultant</u>	Kitestring, Bentonville, AR	2017 – 2019
<ul style="list-style-type: none">• Developed software and mentored peers on three teams using React (+Native), Redux, Node, Express, MSSQL.		
<u>Technical author</u>		2010 – Present
<ul style="list-style-type: none">• Published articles on career growth and front end technologies, focusing on JavaScript and React.• https://charlesstover.com/publications		
<u>Freelance</u>		2006 – 2017
<ul style="list-style-type: none">• Offered end-to-end customer engagement for and delivery of open-source and proprietary software.		

Education
