

Summary

- Experienced full stack software developer
- Proficient in front and back end stack technologies, tooling, and development
- Experienced at building scalable internal and client-facing applications on agile development teams

Skills

- Front End Development: React, Redux, TypeScript, jQuery, Bootstrap, HTML, CSS, JavaScript, Node.js
- Back End Development: Java EE, Spring Boot, Spring MVC, C#.NET, PHP, Python
- Roku Development: BrighterScript, SceneGraph, Resource Manager, RALE, Appium, Suitest
- Tooling: Chrome DevTools, SASS, npm, Visual Studio, gulp, git, gdb, GNU Make
- DevOps: Github Actions, Gitlab, Jenkins, OpenShift, Kubernetes, Docker, Ansible

Relevant Work Experience

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| 2022–2025 | Senior Frontend Developer
Crunchyroll Inc, Los Angeles, CA <ul style="list-style-type: none">• Developed modules and components for new Brightscript app replacing You.I version• Improved video playback start time of app by over 20%• Improved ad processing time by over 10%• Led team efforts in shift left initiative to add automation testing to codebase• Built automated test infrastructure using first Suitest JS API, then later Appium framework |
| 2020–2022 | Software Developer
Componentwise Inc, Washington, DC <ul style="list-style-type: none">• Led frontend development (React/Redux with Typescript) on a tiger team assembled to design and implement employee time tracking/work assignment microservice in use at client sites• Developed client-facing AngularJS frontend interfaces, and data ingestion and processing Java backend services for the client-facing workflow management product• Contributed frontend and backend bug fixes to the client-facing product |
| 2018–2020 | Junior Software Engineer
The DEI Group, Millersville, MD <ul style="list-style-type: none">• Developed jQuery-based internal tools and dashboards for reliability engineering• Developed and maintained data pipelines and applications for data analysis• Developed and maintained React/redux-based reporting tools for clients |
| 2017–2018 | Junior Frontend Engineer
Liferay Inc, Diamond Bar, California <ul style="list-style-type: none">• Developed the React-like Metal.js components for internal single source of truth product• Developed the jQuery-like AlloyUI front end components for internal administrative interfaces• Implemented designs and developed front end components for a client-facing product• Integrated front end components with back end code for internal and client-facing products |
| 2017 | Frontend Engineering Intern
Liferay Inc, Diamond Bar, California <ul style="list-style-type: none">• Contributed to making AlloyUI WAI-ARIA-compliant• Fixed Java, JavaScript, jQuery, and CSS bugs in Liferay Portal core and AlloyUI |

Education

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| 2012–2016 | M. S. – Chemical Physics
University of Minnesota, Minneapolis, Minnesota |
| 2010–2012 | M. S. – Chemistry
University of California, San Diego, La Jolla, California |
| 2005–2010 | B. S. – Chemistry and Materials Physics
University of California, San Diego, La Jolla, California |