Jonathan Chang

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Profile

A cross functional front end engineer passionate about user experience, clean code and clear processes. I am an advocate for understanding complexity in order to improve processes and user experiences.

Experience

Staff Engineer, Slack Corp, SF, CA – 2016 – Present
• Developed and maintained a deploy process that involved hundreds of engineers contributing to a mono-repo that was built and deployed at least 15 times a day, balancing the priorities of merging new code, production stability, and incident management.
• Led the development of the deploy interface. Built in collaboration across multiple engineering teams, the deploy interface was the command and control for selecting builds, rolling them out through preset deploy tiers, and applying hotfixes for production issues.
• Built upon our React/Redux front end, written in TypeScript, and powered by data sent over a websocket, our interface was an implementation of our deploy runbook that enabled hundreds of engineers to be empowered to run deploys as part of their day to day work.
• Collaborated with our program manager to schedule, train, and coordinate over 150 engineers as deploy commanders to safely deploy new code.
• Utilized training as an incident commander to keep the deploys running, often serving as a subject matter expert to provide advice on how to navigate multiple concurrent incidents with competing priorities.

Senior Engineer, Slack Corp, 2017 – 2019
• Worked with a team to migrate our code review, testing and deployment app from a PHP app rendered entirely on the backend to a TypeScript, React, and Redux front end that received push updates through a websocket.
• Developed the FE/BE architecture of the data providers for the websocket service with type safety, versioning, and caching in mind.
• Worked closely with our Customer Experience team to understand their needs through user research, rapid prototyping, and writing requirements in order to provide a buffer between the way our engineering teams were using JIRA and the need to file and find customer reported bugs.

Software Engineer, Parasoft Corp, Monrovia, CA – 2012 – 2016
• Front end developer working on the migration of the dashboard and report front end to use AngularJS with the goals of improving usability, performance and extensibility.

Education

University of California, Irvine – Informatics, HCI 2012

Technology

JS, TS, React, Redux, CSS, LESS, webpack, NodeJS, PHP, Hack, Java, MySQL

Links

https://slack.engineering/deploys-at-slack