

sdmay18-19: DevOps for Javascript-based microservices

Report 12

January 8 - January 23

Team Members

Erica Clark — *Data Analytics Lead; Website/Content Management; Developer*

Jack Meyer — *Communications; Software Architecture; Test Lead; Developer*

Nathan De Graaf — *React Designer; Status Reports; Developer*

Nischay Venkatram — *UI Lead; Node.js SME; Developer*

Nathan Karasch — *Project Management; Technical Writing; Developer*

Summary of Progress this Report

For the last two weeks we have continued development on Tyr, our automated project configuration tool and library. Right now, we are mostly in a maintenance stage with this library and are mostly doing small tweaks. This week however, we added testing and database tooling support and added some helpful user validations. We also added support for private GitHub/TravisCI projects.

We are also working on Yggdrasil, our web application which will house projects and where a user will be able to manage their projects. We finished up a big piece of work surrounding authentication and we have moved on to creating more functional UI components surrounding projects, such as pages for viewing the project and creating the project.

Plans for Upcoming Reporting Period

As a team, we plan on continuing maintenance on Tyr and release v0.3.0, which will include the private projects, database tooling, and testing tooling choices. We will look at adding support for Google Cloud on Tyr. On Yggdrasil, we plan to continue working on the projects UI and connect it to the backend. We will also work on the invites system for collaborators. Finally, we will spend a small amount of time getting Skadi, a node module which will be used to send heartbeats and data flow information from a web app to some database. This will be used as our “monitoring framework”.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Erica Clark	Added Authentication, cleaned up the authentication. Added end-to-end tests, and documentation. Began experimenting with and adding authorization.	20	20
Jack Meyer	Added private project support for github/travis ci, bug fixes and continued validations, add testing choice, add database choice, documentation writing/updates	20	20
Nathan De Graaf	Finalized merge changes for UI React Redux	8	8

	work from end of last semester. Review UI changes and PR. Was blocked on UI development for past week, will make up hours in next weeks.		
Nischay Venkatram	Research OAuth and what is required for authentication on frontend. Refactor frontend, fix routing issues, re-organize containers, components, and store, create services to interact with the backend, add linting.	22.5	22.5
Nathan Karasch	Contributor invitation backend. Code review and helping write the Security Information Management Policy. Preparation for the Peer/Instructor Review Meeting.	16	16