

sdmay18-19: DevOps for Javascript-based microservices

Report 14

February 7 - February 20

Team MembersErica 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**

This period we built out various UI pages including the User Settings page, the Project Contributors and Project Details tabs, tyr-cli page, and create new project flow. This UI work included both front end components and setting up necessary functionality to fetch data from the back end. On the back end, we continued necessary work building endpoints for generating a project, validating authentication, fetching data from third party services, storing data, and documenting much of this.

Plans for Upcoming Reporting Period

Over the next month, we hope to be wrapping up the functional portion of the project, which breaks down into accomplishing creating a project on the front end, oauth to third party services, and a monitoring page to show statistics. This reporting period, we hope to accomplish the oauth portion during the first week, which would allow users to connect third party services to their account. We also continue to improve the way data is stored and fetched via Firebase, Koma, and Skadi. The create new project flow should also be nearly finished. Once those tasks have been completed, work will start on the monitoring portions of the application.

Individual Contributions

Team Member	Contribution	Bi-Weekly Hours	Total Hours
Erica Clark	Reworked Tyr to allow it to place a file in a specified directory. Also adjusted to break up the project creation to allow for all the static files to be generated first. Added token usage to tyr in place of username/passwords to authenticate a user. Researched zipped folder solutions, designed way to create a project on endor using tyr. Updated oauth endpoints to account for changes. Created the preliminary endpoint to generate a project. Pull requests.	20	70
Jack Meyer	Added validation for id in request body of POST /heartbeat in koma. Added oauth end	21.5	71.5

	<p>relevant endpoints for GitHub, Travis, Heroku. Bug fixed API endpoints. Added endpoints to get build statuses, commits, issues, and pull requests from github and travis. Added functionality to fetch logs from Travis. Added functionality to get information from heroku. More bug fixes. Documentation, design, and pull request reviews.</p>		
Nathan De Graaf	<p>The project overview page made significant progress in both functionality, layout, and a majority of components were connected to the back end. Project contributors tab was added to display member and options to allow owners to manage, remove, and add new members. Significant connections were created to communicate with the back end to provide the projects page with project data. I also completed some general status report clean up for the past couple weeks.</p>	32	61
Nischay Venkatram	<p>Implemented try-cli info page - spent time trying to use react-markdown but didn't go ahead with it due to styling limitations. Converted all the tooling logos into react components to make them customizable. Built out the new project page with a stepper that steps through the various tooling options without backend functionality. Design discussion. Reviewed pull requests.</p>	25	87.5
Nathan Karasch	<p>Bug fixes. User Settings UI. Accepting an invite adds a project contributor, plus unit test fixes. Code review. Fixed and cleaned unit tests. Finished creating branding assets. Koma authorization functionality. Design discussions.</p>	26	75.5