

**sdmay18-19: DevOps for Javascript-based microservices**

Report 15

February 21 - March 6

**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**

Progress towards project creation is wrapping up: including creation of endpoints, zipping of files, and finishing of UI components. Koma and firebase continue to improve, adding authentication and post functionalities. Users can now connect their Github, Travis, and Heroku accounts via the user settings page.

**Plans for Upcoming Reporting Period**

In the next brief reporting period, we hope to get closer to finalizing project creation. We will begin work on the final major feature of the project, a statistics monitoring page to visualize statistics and data related to projects and OS data.

**Individual Contributions**

Team Member	Contribution	Bi-Weekly Hours	Total Hours
Erica Clark	Worked an endpoint to create a project, zip the project files and return the project. This involved returning to tyr and refactoring it to break up the project creation into independent modules, and the ability to use tokens instead of a username and password. Also changed the endor endpoint to change the request into tyr-readable format. Pull request reviews and a lot of testing.	30	100
Jack Meyer	Authorization in Koma (4 hours). Added Authentication to heartbeats endpoints in Koma (3 hours). Added firebase authentication to Yggdrasil (1 hour). Added functionality to post request/response data and OS data to firebase (5 hours). Added skadi library functions to send koma OS data information (1 hour). Updated POST auth/travis endpoint to generate TravisCI	20	91.5

	token for user based on their github token (1 hour). Pull request reviews (2 hours). Other bug fixes (3 hours).		
Nathan De Graaf	Addressed comments for project overview PR, Github oauth flow: user can now connect their GitHub account via the settings page. This redirects to GitHub's login system, which will redirect back to the settings page. A user can also remove this connection. Heroku oauth flow: implemented similarly to github's. Moving to functions to back end and polishing.	22	83
Nischay Venkatram	Wrapped up project creation: finished all ui components, complete flow of tool options, fetching tools from the backend, checking travis and heorku auth endpoints for tokens, created project on the backend. Reviewed PR's	18	105.5
Nathan Karasch	User Settings page (3.5 hrs). Invitation email updates (2 hrs). Code review (0.5 hrs). Integration in Yggdrasil (7 hrs). Code review and bug fixes (4 hrs). Fetching heartbeats from firebase in Yggdrasil (6 hrs).	23	98.5