

sdmay18-19: DevOps for Javascript-based microservices

Report 17

March 21 - April 3

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**

The components from the front end, back end, and everything in between have come together to create a successful product which goes from Project Creation on the front end, to the project being deployed, monitoring and services being set up, and finally the data returning to the front end to be displayed to the user. See individual contributions for more specifics on what final components were finished up. Also work began to start cleaning and polishing the application.

Plans for Upcoming Reporting Period

We plan to demo the working product this Thursday to one of our advisor's classes. Further development work will be focused around polishing and debugging. This includes various UI changes to make the app more consistent, user friendly, and professional. We will work to remove any bugs in the major use cases of the application along with reducing some technical debt.

Individual Contributions

Team Member	Contribution	Bi-Weekly Hours	Total Hours
Erica Clark	Project Creation integration. Testing for project creation. Bug fixes. Added node-config to the created project on tyr. Fixed a bug related to node-config and redesigned sequelize templates. Started tests. Debugging deployment issue.	21	127
Jack Meyer	Updating response time and http data endpoints in Koma/Skadi (2 hours). Connect Skadi and Koma to Yggdrasil and Endor (8 hours). Debugging code and solving production and deployment issues (10 hours). Adding component to display API key for Koma (2 hours). Changing Database Tool name to be ORM tool name (1 hour). Adding logout functionality to the server (2 hours)	26	129.5

	Updating /oauth2/tokens endpoint to be /auth/login (1 hour).		
Nathan De Graaf	Completed graphs for the monitoring tab. We can now view heartbeat data over a recent time period, os data graphs over history, live os data, http request history, and http request distribution. Also some bug fixes around the app.	20	110
Nischay Venkatram	Functionality to save profile changes, minor bug that cropped up from that feature, UI improvements, data processing bug in graph components, connect graph components to data from firebase, debug and fix firebase rule issue, review lots of PRs	24	147.5
Nathan Karasch	Yggdrasil dockerization & deployment (4 hrs). Deployment and networking (6.5 hrs). Code review, frowny-face removal, breadcrumbs (2 hrs). Updated Project Details page (4.5 hrs). Invites integration, Account Settings update, plus lots of other updates and fixes (8 hrs). Landing Page (2 hrs).	27	136