

sdmay18-19: DevOps for Javascript-based microservices

Report 13

January 24 - February 6

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**

We continued development on all fronts of our application. Work began on our new services Skadi and koma for data management and security. Authentication and validation are in a simple working state: this involved database setup, backend calls, and front end UI components all working together. The front end continues to grow, this week with the addition of a dashboard page that a user sees upon entering the application and a project overview page to display the specific details of a project. Backend documentation and development continued and was deployed to our ISU server for the first time.

Plans for Upcoming Reporting Period

This period, our team is focusing on building the create new project flow. This will involve building the back end capability, figuring out how to upload or deliver created files and updating the UI page. Related to this work, new components will be added to the project overview page to manage contributors. In order to add contributors, we will create an email notification and ability to accept such an invite to a project. We will also pick up some other miscellaneous work related to clean up, security, and building endpoints.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Erica Clark	Checked pull requests. Setup Skadi, and worked on the initial overall design. Then added the ability to send configurable heartbeats to koma. Dabbled with frontend to begin learning React, added error handling/error message displays to the front end. On endor, added authorization to ensure that a user does not access an endpoint they do not have permission to access. Added tests for each endpoint that I added this functionality to, setting up a system to create end-to-end tests. Then added UUIDs to the database, and added validation to usernames/passwords.	30	50

Jack Meyer	Worked on validation for username/email/password, SPDX validation for license; created koma, a service to send heartbeats and data; created endpoints for getting tools and updated tooling support database table; fixed api documentation and changed doc/ folder to generate at docs/; added floating action button on UI; added success message for heroku app generation; add private project support; fixed a bug with credentials and github.	30	50
Nathan De Graaf	Finalized project overview page formatting and components, then started work on building the back end for the project overview page. Since this was my first time on the backend, this involved setting up and learning relevant tools. The project overview page now has the capability to display information for a given project drawn from the database. Information related to github is currently static and will soon point to mocked endpoints.	22	29
Nischay Venkatram	Setup backend db/env for local development, hook up auth functionality with backend, debug and fix issues on the backend, add CORS support on the backend, restyle sidebar and update its functionality based on routes. Create dashboard page (create actions, reducers, ui components) and hook it up to the backend, create not found page, research normalizing redux store. Fix minor bug with Spinner while loading projects, work with Jack on his first frontend issue, look into using enter key for login and register pages. Normalize redux store into a lookup table, create models. Fix routing bug. Review PRs. Create issues, github cleanup, and research file download and 3rd party oauth strategies.	40	62.5
Nathan Karasch	Finished implementing invitations on the backend. Code review. Implemented EmailService and integrated it with InviteController on the backend. Added email templates and make invite email prettier. Creating new issues. Creating branding assets. Learning react and trying to integrate styles. Figuring out deployment to our ISU server. Split Endor into its own repository,	36.5	52.5

	added node-config module, and added docker files. Endor deployment and documentation.		
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