



Creating Solutions for Engineers

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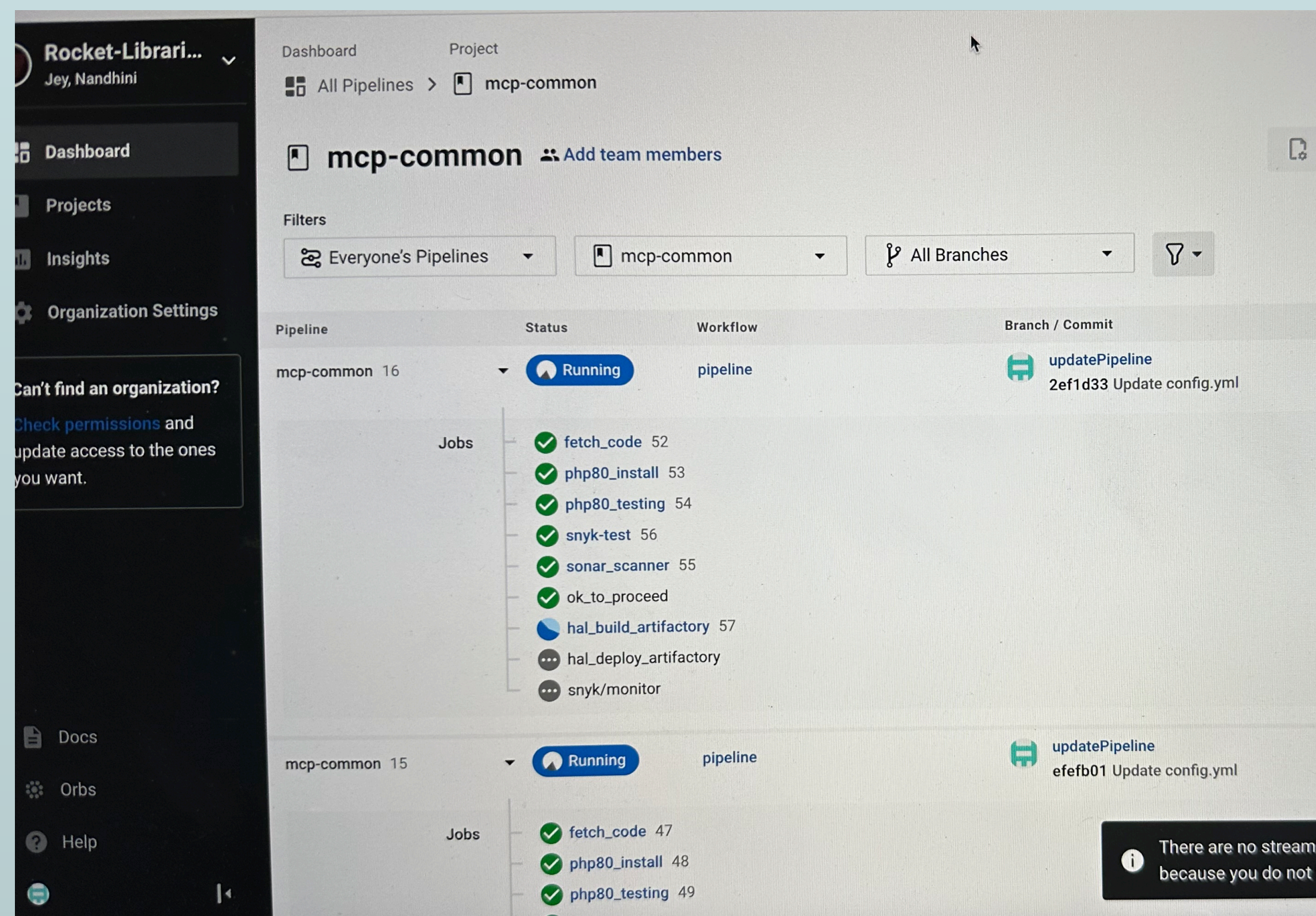


Introduction

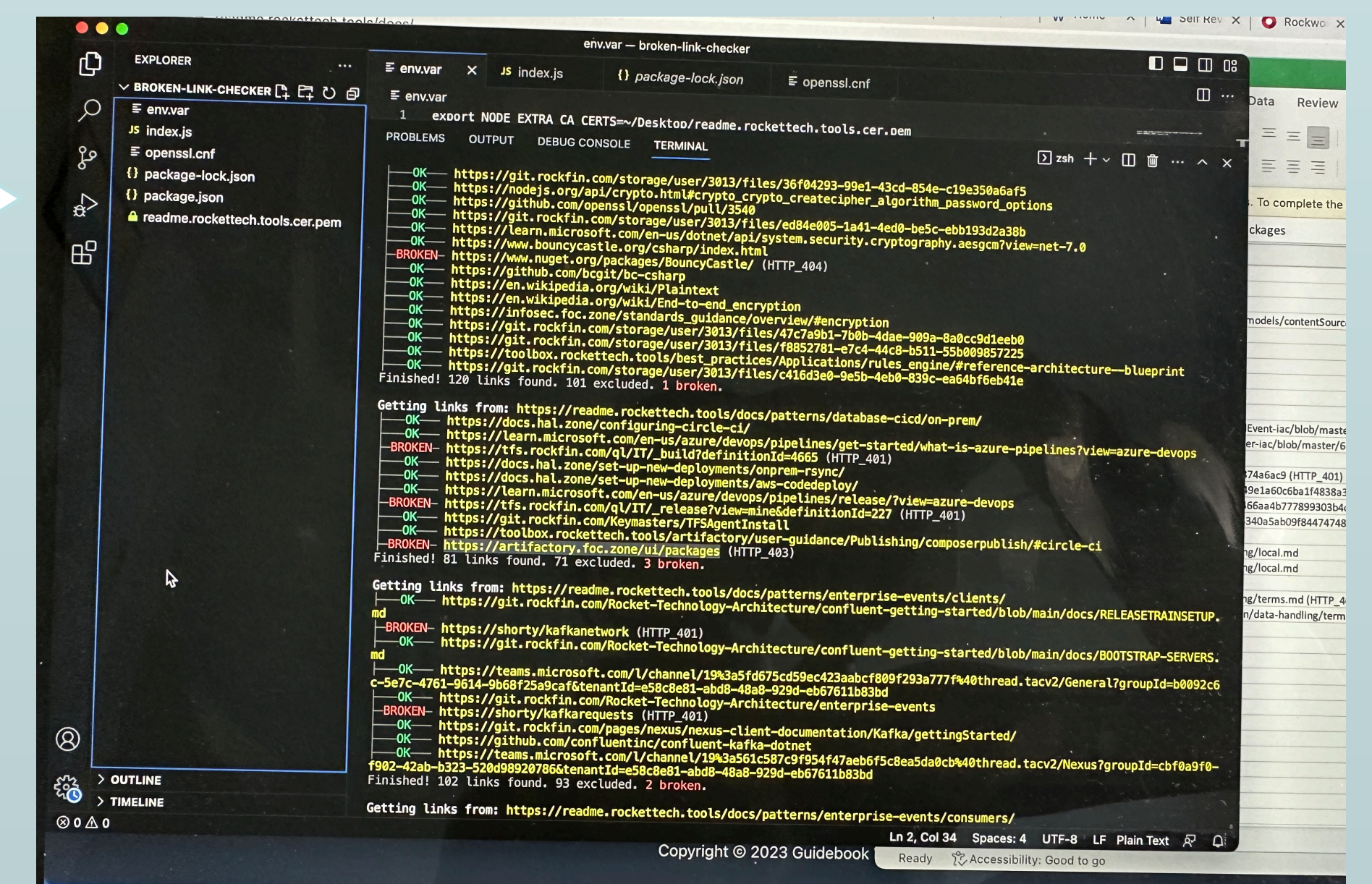
During summer of 2023, I interned for Rocket Mortgage specifically in the Engineering Experience train. I was able to work with my mentor and other interns to create and fix errors in various applications software engineers utilize. I had the opportunity to be exposed to various applications engineers used in the corporate world and gave me a sense of how engineers functioned and worked together to solve issues and create new developments.

Activities:

- I was able to fix over 200 broken internal & external links in the guidebook & toolbox using a broken link checker. Used Visual Studio to then make changes to the markdown files and then commit and push these changes in Git.
- Used a Document Maintenance Utility that searched for outdated markdown files in guidebook & toolbox.
- Quick Loans to Rocket Libraries pipeline update. Update the pipeline for the external repositories that have been moved to the Rocket-Libraries internal organization.



Link checker provided all broken links making it easy to track which ones need to be manually fixed.



CircleCi application used to see if our new PHP updates passed the tests for CircleCi to Hal integration.

Issues Confronting Site:

- Me and another intern working on the pipeline updates ran into multiple issues when testing the changes we made.
- Due to various updates, sometimes the PHP packages wouldn't work with Hal causing it to crash and not deploy or build to Hal even in testing deployment.

Impact:

- The toolbox gave engineers a way to see what tools they could use that would help with what they were currently working on. The guidebook provided engineers with a sort of instruction guide on how to use services, and troubleshoot problems, and acted as a general guide for numerous platforms that Rocket companies would use. By fixing the numerous link issues engineers now has accessible and reliable information that they are able to use to accomplish their work.
- The CircleCi to Hal integration for old quicken loans repositories contained PHP projects, updating the pipeline allowed the PHP packages to stay up to date with current technology, and remove unnecessary complexities like a simpler cache protocol.

Future Work:

- The toolbox and guidebook will still constantly be changed to include new applications that are being used.
- Constant documentation updates for old and new softwares and applications will be inputted since technology is constantly evolving in a company based on it's needs.

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