Closure Presentation

AWS Visual Configuration App
April 27th, 2021

Requirement Match

First Iteration Features:

- Software must connect to and get data from the AWS APIs
  - EC2 and Load Balancer
- Software must display information received from AWS APIs
  - Show connection between EC2 and Load Balancer

Current list of Features:

- EC2
- RDS
- ECS
- S3
- Route 53
- Load Balancers
- Log in/out
- Auto-refresh
- DevMode
- Serilog Logging
- Dynamic UI
- Customer Installer

Final Client Meeting

Our final meeting with our client Trey Gourley is scheduled for Thursday (4/29) at 4:30.

Transfer

The transfer will also be taking place this coming thursday when meeting with our client.

Successful Actions and Practices

- Made the classes and methods very modular for ease of implementing new features into the project.
- Developed our app to support the AWS services our client requested.
- Did branches and MRs, rather than always committing to master, to minimize issues.
- Early on in iterations, we established what tasks we have to do, and decided what task each team member would do.

Unsuccessful Actions and Practices

- Unfortunately, because we had to develop in a mock environment so as to not incur charges, we're not entirely sure how well this project would work with a real AWS environment.
- Our client mentioned getting access to his company's AWS environment by use of JSON security files. This is something we didn't understand and honestly didn't want to deal with, but perhaps it would have given us a real AWS environment.
- We had to forgo UI testing due to the nature of our project.

What we wish we did instead

- Had a better understanding at the beginning of AWS and how it would ultimately be implemented into the project
- We regret not having an available, full-scale AWS environment to test against. We expected to have one at some point, but never were granted access to one, and weren't able to afford one ourselves.

Final Thoughts

Josh: This project was a good segway into a professional development role. The use of CI pipeline was a very helpful learning experience. I really appreciated how well my team worked together to achieve a great solution for our client. It was fun to create a tool that can actually be used by career developers.

Wyatt: This two-semester long project gave me experience with C#/.NET, and with Amazon Web Services, two items which are hot in the world of tech, and I'm grateful for this. I think our project does make for a good resume-builder. Additionally, I'm grateful I was put on a team that communicates well and gets everything done.

Ben: I felt this was a really good experience. It really helped tie together, the skills we learned in previous courses and allowed us to apply ourselves.

Final Thoughts part 2

Nick: I am happy with this project and how it turned out, however I wish we had more time to continue working on it as there is much more room for additional stuff. This project also allowed me to learn C#/.NET, which I hadn't touched up until this point.

Noah: This project was my first real experience on a functional dev team with organized goals, consistent workflow, and successful application releases. I'm grateful for the experience I gained working with this team and the tech stack.