Work Process

Group 15

January 25, 2024

Contents

1 Overall Work Distribution

1.1 Martin

- Took major parts in designing all versions of the project's infrastructure.

- Documentation writing (Project Plan, Design Document).

- Terraform scripting.

- Programming (Flask API, Lambda functions: createMSK, Login).

- Managing and Configuring API Gateways.

- Authentication flow (Cognito, IAM).

- Route53 connection to Cognito.

- MSK Authentication and testing.

1.2 Evgeni

- Took major parts in designing all versions of the project's infrastructure.

- Documentation writing (Project Plan, Design Document).

- Terraform scripting.

- Programming (Flask API, Lambda functions: deleteMSK, CloudWatch dashboard).

- Managing and Configuring API Gateways.

- Monitoring (CloudWatch).

- Route53 connection to API.

1.3 Nikola

2 Mark justification

2.1 Martin

Now, I don't like giving grades to myself since I am quite self-critical. But this time, I know that I gave it my all. I went through all the topics covered in the course material. I proved my abilities in either the Case Study project, in the assignments, or both. Not only did I learn so many things, but I delved deep into them, deep enough so I could find AWS documentation inconsistencies and loopholes. I took a risk to create a project that isn't so common instead of going the easy path of bland overused concepts. And I do not regret it since I learned so much. Technically, some things don't work but we couldn't foresee such outcomes since we implemented everything as AWS suggests. So, in the end, I am proud of the results and evaluate myself at least at a Proficient level.

2.2 Evgeni

2.3 Nikola

3 Individual reflections

3.1 Martin

3.1.1 Stong points

- Being responsible.

- Ensuring quality over quantity.

- Validating information sources.

- Learning services that enterprises use, although they are out of scope.

- Not relying on step-by-step tutorials and AI models.

3.1.2 Weak points

- Relying too much on the documentation (AWS tends to sugarcoat their products) - I had some occurrences where I could have saved so much time by just reading a simple forum thread about a service I am about to use.

- At some point, I lost sight of the bigger picture because I was over-optimizing.

3.1.3 Learning moments

Throughout the semester, I had countless opportunities to hone my troubleshooting skills.

I also learned to not concentrate too much on the researching aspect of a project since documentation takes you so far. You will know if a service could be useful once you start utilizing it. And not just using it, but most importantly - breaking it.

3.1.4 Improvements for the next project

- Benefit from some real-world opinions synthesized by experience before you start researching or implementing something.

- Start small and simple and go from there. Don't throw yourself in a sea full of things you haven't even heard of.

- Don't forget the end goal - the project should have an overall completeness.

3.2 Evgeni

3.2.1 Stong points

- Always present and took part in all parts of the project.

- Does his part of the work.

- Communicate with the teammates.

3.2.2 Weak points

- Takes too much time to research (dives too deep).

3.2.3 Learning moments

The entire semester was a learning opportunity because I was constantly researching and troubleshooting Evaluation of spent effort: I did my tasks and took part as much as I could. I think I did everything I could do on the project and I can say that I spent a good amount of time working on it every week.

3.2.4 Improvements for the next project

- Research in a more optimal way without spending too much time on the side tasks.

- Be more focused on the goal.

- Improve my communication with the stakeholders (reply to emails more often and check the mailbox).

3.3 Nikola