

## ***EE/CprE/SE 491 Bi-Weekly Report***

***2/9/2024 – 2/24/2024***

***Group number: SDMay24-05***

***Project title: ResumeUp***

***Client: Elmin Didic***

***Advisor: Simanta Mitra***

### ***Team Members/Role:***

- Elmin Didic - Client | Project Manager | Developer
- Nick Thomas - Backend Developer | Database Developer
- Nedim Hodzic - Backend Developer | AI Infrastructure Engineer
- Nathan Boldt - Frontend Developer | AI Prompt Engineer
- Mitchell Talyat - Full Stack Developer | Database Developer
- Siddharthan Prakash - Full Stack Developer | Cloud Engineer
- Simanta Mitra - Advisor

### ○ **Weekly Summary**

- This week, we continued to make progress on our development for ResumeUp. We made lots of forward steps regarding our AWS account, as well as figuring out some details for our ChatGPT tokens, as we mentioned in past reports. We have our team AWS account set up, and have been in contact with an AWS organizational group through ECpE about possible funding for our server. We have also begun to develop some frontend components for our application. Developed more static web pages and looked into which component library would work best for the site, Material UI or Shadcn. Also spoke with ETG to get a better understanding of the cost for the project

### ○ **Past week accomplishments**

- During this week we began having some team discussions about how we realistically plan to fund the AWS server of our application, as well as how we are going to handle getting access to ChatGPT tokens, or how many will actually be

necessary for the website's success. We continued to divide the issues and story cards on the github repository to ensure continued development. We also did research on several different topics related to our project, to better understand some of the processes related to AWS connection and API calls from ChatGPT so that when we officially gain access to these resources, we will be able to efficiently get started using these with our actual website. Created a few static pages as well to help start building it out.

○ **Pending issues**

- The issue from the previous report (AWS server access and ChatGPT tokens) is still technically pending, although we have made significant progress and are moving toward a solution. We have been in contact with groups about both, and anticipate this issue being resolved soon.

○ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Elmin Didic	Talked with ETG	7	9.5
Nick Thomas	Created static pages	7	9.5
Nedim Hodzic	Looked into Amplify Cost, researched development of sign-up/log-in with Amplify	7	9.5
Nathan Boldt	Looked into Material UI vs Shadcn	7	9.5
Mitchell Talyat	Looked into Material UI vs Shadcn	7	9.5
Siddharthan Prakash	Looked Into S3 and DynamoDB Cost	7	9.5

○ **Comments and extended discussion**

No comments.

○ **Plans for the upcoming week**

- Elmin Didic: Work to finish CICD with Amplify
- Nick Thomas: Implement header and Footer

- Nedim Hodzic: Finalize database creation/schemas/linking and start with sign-up/log-in
- Nathan Boldt: Create footer get it connected to pages
- Mitchell Talyat: Create header get it connected to pages
- Siddharthan Prakash: Work with elmin to finish CICD with Amplify

○ **Summary of weekly advisor meeting**

Not much besides keep researching best practices and to keep getting updates from ETG about AWS and ChatGPT. And to keep updating on progress made.

○ **Broader Context**

1. After thorough examination and analysis, no new effects have been identified within the broader context. Our focus has been primarily on assessing the economic impact, with ETG generously covering our expenses.
2. Our strategy for showcasing the positive effects revolves around providing equal opportunities for all job seekers to optimize their resumes. By leveraging AI, we empower individuals to create the best possible representation of their skills and experiences, which increasing their chances of getting a interview. We plan to demonstrate this through before-and-after comparisons of resumes, highlighting improvements in clarity, relevance, and professionalism with a review from engineering career services
3. One of the primary concerns raised during discussions with our team revolved around the ethical implications of AI-generated resume suggestions. To address this, we are committed to ensuring transparency and integrity in our approach. Specifically, we will implement guidelines to prevent the inclusion of fake information in resumes. Additionally, we will closely monitor the prompts used by the AI to ensure they align with this. By prioritizing authenticity and accuracy, we aim to mitigate any potential negative effects and uphold the integrity of ResumeUp.