



Job Search



ResuMind

Team NY4



Team Introduction



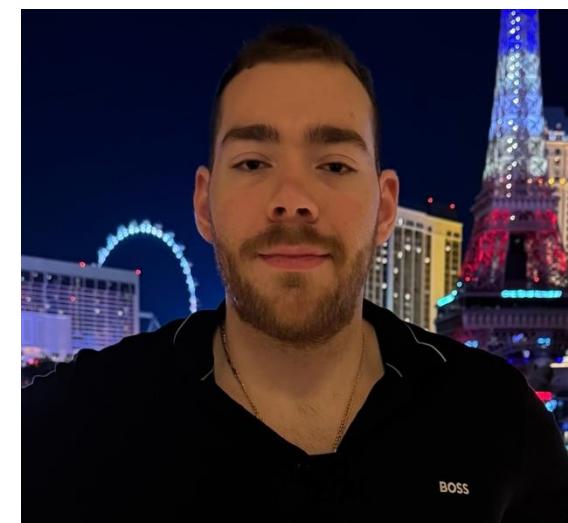
Anika Bushra
Front End Developer



Eric Lantz
Front End
Developer



Sarah Wierzbicki
Machine Learning
Trainer/Developer



Joseph Indriolo
Backend/DevOps
Engineer

Agenda

Problem Statement

Description

Personas

Technologies

Algorithms

Team Working Agreement

Completed Tasks

Retrospective



Problem Statement

- Whether you are actively or passively searching for a job, looking for new opportunities can be overwhelming due to:
 - High volume of listings on job sites such as Indeed, LinkedIn, Monster
 - Lack of matching/relevant skills
 - Fake job postings
- There is a clear need for a smarter, more personalized approach to job discovery—one that truly understands the applicant, while making the job selection process simple and clear.



Project Description

- ResuMind is an AI-powered job assistant that personalizes the job search experience for job seekers who struggle to find roles that match their skills and career goals. Our application uses natural language processing to recommend verified job opportunities and helps users understand how closely they fit the role. Unlike traditional job boards that require manual filtering, ResuMind offers a tailored experience by highlighting key details, comparison of strong skills versus areas of improvement, and ways to enhance your resume.
- Benefits include:
 - Reduced job search time
 - Skill match insights
 - Resume feedback
 - Interview prep





Personas

Maria Smith, Returning to Workforce Parent

- **Age:** 40
- **Background:** Former advertising professional that took an 8-year gap to raise children
- **Job search style:** Moderately active
- **Skills:** Microsoft suite, content creation, Adobe creative suite, client communication
- **Challenges:** Unsure of how to present career gap, finding jobs that match previous skills acquired, how to market herself as a competitive candidate
- **Needs:** Resume refresh guidance, remote/hybrid work environment, personalized job recommendations based on experience



John Lang, Laid-Off Senior Director

- **Age:** 51
- **Background:** Senior Software Engineer Director with 20+ years of relevant experience, recently got laid off due to company budget cuts.
- **Job search style:** Actively searching
- **Skills:** Agile/scrum leadership, cloud platforms, people leader, system design
- **Challenges:** Difficulty navigating a saturated environment, overqualified for many roles
- **Needs:** Competitive salary, curated job listings, specialized skill match



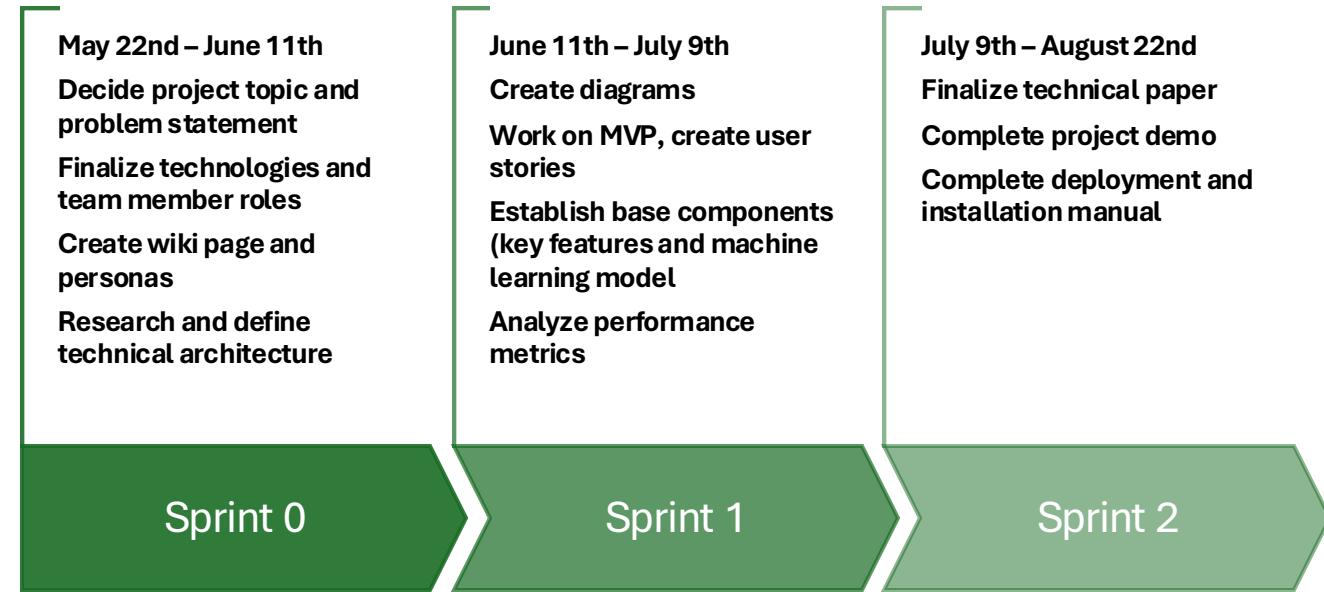
Lisa Burns, Entry-Mid Level Analyst



- **Age:** 28
- **Background:** 4 years as a data analyst in the healthcare industry, looking to transition to the finance industry
- **Job search style:** Passively seeking
- **Skills:** SQL, Python, Data cleaning/validation, advanced proficiency in Excel
- **Challenges:** Lack of time to seek new opportunities, irrelevant job alerts, limited knowledge of financial industry
- **Needs:** High quality job suggestions, analysis of skill transferability, access to learning resources

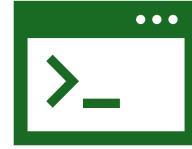


Project Schedule



Weekly meetings will be held at Wednesdays at 8:30 PM to review our progress together and establish weekly individual tasks

Technologies



Languages, libraries and frameworks:

- Front-end:
 - React, JavaScript, Node.js, Express.js
- Back-end:
 - Python, PyTorch, Flask
- Libraries:
 - SpaCy, Scikit-Learn, HuggingFace



Database Management

- MongoDB, AWS



Tools

- Google Colab
- WhatsApp
- Microsoft Teams
- GitHub
- Jira
- VSCode
- Amazon EC2

Algorithms & Design

- **Natural Language Processing**
 - Using the open-source library SpaCy, performing named entity recognition (NER) for keyword extraction
 - Resumes will be parsed using this process to extract valuable text.
- **Text - Classification Model**
 - Our fine-tuned model, which uses RoBERTa as the base model, was trained on 2500 resumes with the goal of text classification.
 - This model will then make a prediction on the extracted text and create a user category based on their skills and experience



Team Working Agreement

NY4 Team Working Agreement

June 7, 2025

Team Members

- Joseph Indriolo
- Anika Bushra
- Eric Lantz
- Sarah Wierzbicki

Communication

The team has agreed to make WhatsApp our main channel of text communication. The platform is easily accessible by both mobile and desktop. This will serve as the primary platform to ask questions, raise concerns, or provide any updates. In addition to WhatsApp, the team will use Microsoft Teams as our main platform for live video calls. Live video calls will be scheduled Monday and Wednesday each week at 8:30 PM EST. During the live meetings, we will share any updates with the team, and hold important agile ceremonies as needed. We will schedule more time throughout the week as needed in order to meet our deliverable deadlines. All members of the team are encouraged to contribute to all conversations, as our intention is to deliver the best possible product and diverse experiences and viewpoints are the best way to do this.

Individual Responsibilities

During Sprint planning ceremonies, each team member will be assigned a ticket based on their preference and skill. During planning, each ticket will be pointed in terms of complexity and assigned to an individual to complete. When a ticket is assigned, the assignee is responsible for owning and delivering that work end-to-end. Each team member is expected to deliver their work as committed to in sprint planning. Sprints will be carefully planned according to the team's velocity/capacity. In the event a ticket cannot be completed in the allocated sprint, the ticket will be rolled over to the next sprint.

Definition of Done (DOD)

A ticket is only considered done when the following criteria is met:

- All the acceptance criteria defined in the ticket have been completed
- The feature was tested, fully working and free of errors and bugs.
- The work has been peer reviewed by the rest of the team.
- The feature has been demoed and shared with the rest of the team.
- If it is a code change, the PR has been approved, and merged into the main branch.
- Any acceptable documentation has been updated.

Team Values

Each team member is responsible for creating a positive and productive working environment. Criticism is encouraged if it is constructive and genuinely intended to improve the project, or the individual's skills. Each team member is encouraged to call out any concerns or blockers early and as needed. Communication is very important and each developer is expected to call out early if they do not believe they can deliver the work they have committed to. Personal attacks or the creation of a toxic working environment are not permitted and will be reported as necessary.

Team Working Agreement

Completed Tasks – Sprint 0

✓ Sprint 0 28 May – 11 Jun (8 work items)

0 0 8

Complete sprint

...

Plan project, lay out initial contribution model.

<input checked="" type="checkbox"/> NY4-1 Create Personas for Presentation	DONE	1	BA
<input checked="" type="checkbox"/> NY4-2 Define Problem Statement & Project Description in Presentation	DONE	1	EL
<input checked="" type="checkbox"/> NY4-3 Create Technologies & Algorithms Slide	DONE	1	SW
<input checked="" type="checkbox"/> NY4-4 Create and define sprint deliverables	DONE	1	SW
<input checked="" type="checkbox"/> NY4-5 Create Team Working Agreement	DONE	1	JL
<input checked="" type="checkbox"/> NY4-6 Hold Sprint 0 Retrospective	DONE	1	JL
<input checked="" type="checkbox"/> NY4-7 Research and Define Technical Architecture	DONE	1	JL
<input checked="" type="checkbox"/> NY4-8 Create Wikipage and insert Sprint 0 data into it 	DONE	1	EL

+ Create

Sprint 1 Agenda

- Improvements
- MVP
- **Diagrams** (Architecture Diagrams, Context Diagram, ER Diagrams, Sequence Diagram, State Diagrams, Class Diagrams)
- Product Backlog
- User Stories & Acceptance Criteria
- **Metrics** (Team velocity, burndown chart, completed/committed ratio)
- Prototype Video
- Website Screenshots
- Test cases
- Sprint 1 Retrospective
- Sprint 2 Backlog



Improvements



Ensure clear audio across all recordings



Elaborate on each retrospective within the PowerPoint presentation



Clearly define and communicate MVP



MVP



Our vision: Helping job seekers efficiently find relevant opportunities by scanning their resumes for keywords and experience, then offering a simple swipe-based system to explore those matches.

Core Functionality:

- Resume Upload: Users upload their resume directly onto the platform.
- Keyword-Based Resume Parsing: Natural language processing extracts information from resumes and our machine learning model determines a relevant job category based on the resume.
- Job Search & Swipe Interface: Based on content from the parsed resume, a curated list of relevant jobs is generated. Users can swipe right to like or left to dismiss – like a dating app, but for job hunting instead.
- Matched Jobs List: Liked jobs are saved to a Matched Jobs page where users can review a match percentage and the application.

Product Backlog

Issue Key	Issue Id	Sprint	Summary	Description	Assignee	Status	Comments
NY4-8	10007	Sprint 0	Create Wikipage and insert Sprint 0 data into it		Eric Lantz	Done	
NY4-7	10006	Sprint 0	Research and Define Technical Architecture	As a developer, I should have a clear and detailed architecture plan that will support the needs of the project. We should begin researching different cloud technologies that we will use for our infra.	Joseph Indriolo	Done	
NY4-6	10005	Sprint 0	Hold Sprint 0 Retrospective		Joseph Indriolo	Done	
NY4-5	10004	Sprint 0	Create Team Working Agreement	As a developer, I should clearly understand the contribution model within the team. Understanding meeting times, expectations and common practices.	Joseph Indriolo	Done	
NY4-4	10003	Sprint 0	Create and define sprint deliverables	As a stakeholder I should have a clear schedule of what will happen in each sprint, and the intended deliverables at the end of the sprint.	Sarah Wierzbicki	Done	
NY4-3	10002	Sprint 0	Create Technologies & Algorithms Slide	As a developer, I should understand clearly the technologies that are going to be used on this project. This includes the languages, frameworks and specific ML algorithms.	Sarah Wierzbicki	Done	
NY4-2	10001	Sprint 0	Define Problem Statement & Project Description in Presentation	As a stakeholder I should understand the problem in which this software intends to solve. I should understand clearly what this project intends to accomplish.	Eric Lantz	Done	
NY4-1	10000	Sprint 0	Create Personas for Presentation	As a stakeholder, I should be able to see and understand the potential customers whom in which our product could benefit.	Bushra, Ms. Anika	Done	
NY4-52	10275	Sprint 1	Install Docker on EC2 Instance	As a developer, I want to have an installed Docker component on our EC2 instance. AC: A working docker on the Amazon EC2 Instance	Joseph Indriolo	Done	
NY4-50	10273	Sprint 1	Provision MongoDB Table on EC2 Instance	As a developer, I need an MongoDB running on our Ec2 instance, so we can begin storing user data on it. AC: A working Ec2 instance that has MongoDB loaded on it.	Joseph Indriolo	Done	
NY4-46	10205	Sprint 1	Design landing page	As a frontend developer, I want to build a landing page that is both informative and easy to navigate for users AC: Completed landing/home page in Frontend code	Bushra, Ms. Anika	Done	02/Jul/25 9:48
NY4-43	10202	Sprint 1	Develop ResuMind's brand identity:	As a team, we want to align on defining ResuMind's brand identity so that the design and tone are consistent across the site. AC: Documented brand tone	Bushra, Ms. Anika	Done	02/Jul/25 4:05
NY4-34	10129	Sprint 1	Create swipe left/right action	As a user, I want to swipe right to save a job for further review, so that I can revisit promising opportunities later. Swiping left removes it from the list. AC: When you swipe left, the job is removed from the list of jobs and when I swipe right, it adds the posting to a list that can be viewed.	Eric Lantz	Done	30/Jun/25 7:10
NY4-31	10126	Sprint 1	Create initial card component for job posting	As a developer, I want a card that is easy to read and has all the parts necessary to match the job applications that are being referenced on it.	Eric Lantz	In Progress	30/Jun/25 1:16
NY4-30	10093	Sprint 1	Create backend API using Flask	As a developer, I want figure out how to utilize an API using Flask to connect with our EC2 Instance and the frontend AC: A created API using Flask that connects to frontend code.	Joseph Indriolo	In Progress	
NY4-28	10059	Sprint 1	Identify tool for front end design	As a frontend developer, I want to choose the best CSS tool so that our website is visually appealing and aligns with our design goals. AC: Document CSS tools and discuss with team.			
NY4-18	10049	Sprint 1	Work on job recommendation model	As a developer, I want figure out how to utilize huggingface semantic textual similarity in order to match users with proper job recommendations. AC: Documented findings on feasibility, and steps to execute, prerequisites.			
NY4-17	10048	Sprint 1	Clean job description data to be used for our database of jobs	As a developer I need to filter and clean our targeted datasource such that it is easier to read and use. AC: Dataset is filtered to meet our needs.			
NY4-16	10047	Sprint 1	Refine and complete high level architecture diagram	As a developer, I need to define a high level architecture diagram such that the flow of the software is clearly defined and socialized throughout the team.			





User Stories and Acceptance Criteria

Issue key	Summary	Description
NY4-52	Install Docker on EC2 Instance	<p>As a developer, I want to have an installed Docker component on our EC2 instance.</p> <p>AC: A working docker on the Amazon EC2 Instance</p>
NY4-50	Provision MongoDB Table on EC2 Instance	<p>As a developer, I need an MongoDB running on our Ec2 instance, so we can begin storing user data on it.</p> <p>AC: A working Ec2 instance that has MongoDB loaded on it.</p>
NY4-46	Design landing page	<p>As a frontend developer, I want to build a landing page that is both informative and easy to navigate for users.</p> <p>AC: Completed landing/home page in Frontend code</p>
NY4-43	Develop ResuMind's brand identity	<p>As a team, we want to align on defining ResuMind's brand identity so that the design and tone are consistent across the site.</p> <p>AC: Documented brand tone</p>
NY4-34	Create swipe left/right action	<p>As a user, I want to swipe right to save a job for further review, so that I can revisit promising opportunities later. Swiping left removes it from the list.</p> <p>AC: When you swipe left, the job is removed from the list of jobs and when I swipe right, it adds the posting to a list that can be viewed.</p>
NY4-31	Create initial card component for job posting	<p>As a developer, I want a card that is easy to read and has all the parts necessary to match the job applications that are being referenced on it.</p> <p>AC: A working card component usable in the swiping area of the frontend code.</p>
NY4-30	Create backend API using Flask	<p>As a developer, I want figure out how to utilize an API using Flask to connect with our EC2 Instance and the frontend</p> <p>AC: A created API using Flask that connects to frontend code.</p>



User Stories and Acceptance Criteria Cont.

Issue key	Summary	Description
NY4-28	Identify tool for front end design	<p>As a frontend developer, I want to choose the best CSS tool so that our website is visually appealing and aligns with our design goals.</p> <p>AC: Document CSS tools and discuss with team.</p>
NY4-18	Work on job recommendation model	<p>As a developer, I want figure out how to utilize huggingface semantic textual similarity in order to match users with proper job recommendations.</p> <p>AC: Documented findings on feasibility, and steps to execute, prerequisites.</p>
NY4-17	Clean job description data to be used for our database of jobs	<p>As a developer I need to filter and clean our targeted datasource such that it is easier to read and use.</p> <p>AC: Dataset is filtered to meet our needs.</p>
NY4-15	Begin developing code for resume parser	<p>As a developer, I want to have a resume parser that will extract keywords from a given resume, used to train the needed models.</p> <p>AC: Finish training model on training dataset.</p>
NY4-13	Provision and Deploy Amazon EC2 Instance	<p>As a developer, I need to provision an amazon EC2 instance such that we can deploy the front and back end to it.</p> <p>AC: Have a provisioned EC2 Instance ready for use.</p>
NY4-11	Identify and install any additional react libraries needed for the frontend	<p>As a developer, I need to see if there is any specific react libraries that would benefit our app, such as ones for swiping or cards.</p> <p>AC: Document a list of additional libraries that may be needed for ResuMind, share with team.</p>
NY4-10	Create react app for frontend development	<p>As a developer, I want to create the file hierarchy needed for our frontend development</p> <p>AC: Have file structure created, running react app in local.</p>

Prototype Video

ResuMind

Home Job Search Matches



ResuMind

It's like Tinder... but for job searching!

Whether you are actively or passively searching for a job, looking for new opportunities can be overwhelming due to:

- High volume of listings on job sites such as Indeed, LinkedIn, Monster
- Lack of matching/relevant skills
- Fake job postings

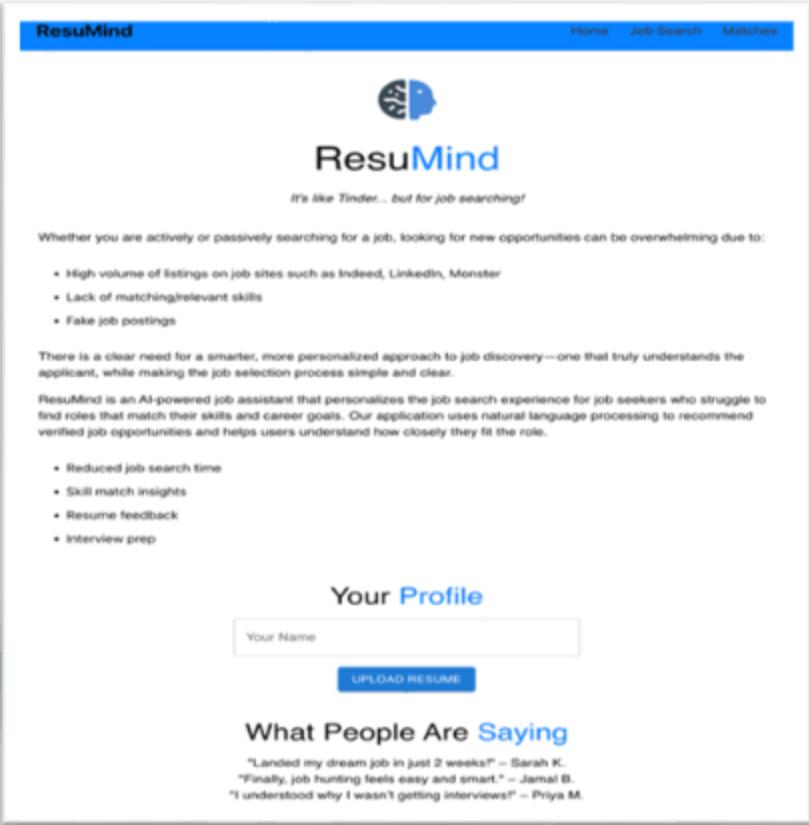
There is a clear need for a smarter, more personalized approach to job discovery—one that truly understands the applicant, while making the job selection process simple and clear.

ResuMind is an AI-powered job assistant that personalizes the job search experience for job seekers to help them find roles that match their skills and career goals. Our application uses natural language processing to filter through verified job opportunities and helps users understand how closely they fit the role.

- Reduced job search time
- Skill match insights



Website Screenshots



The screenshot shows the ResuMind homepage. At the top, there's a navigation bar with 'ResuMind' logo, 'Home', 'Job Search', and 'Matches'. Below the header, there's a large 'ResuMind' logo with the tagline 'It's like Tinder... but for job searching!'. A section titled 'Your Profile' includes a 'Your Name' input field and a 'UPLOAD RESUME' button. A testimonial section 'What People Are Saying' contains three quotes from satisfied users.

ResuMind
It's like Tinder... but for job searching!

Whether you are actively or passively searching for a job, looking for new opportunities can be overwhelming due to:

- High volume of listings on job sites such as Indeed, LinkedIn, Monster
- Lack of matching/relevant skills
- Fake job postings

There is a clear need for a smarter, more personalized approach to job discovery—one that truly understands the applicant, while making the job selection process simple and clear.

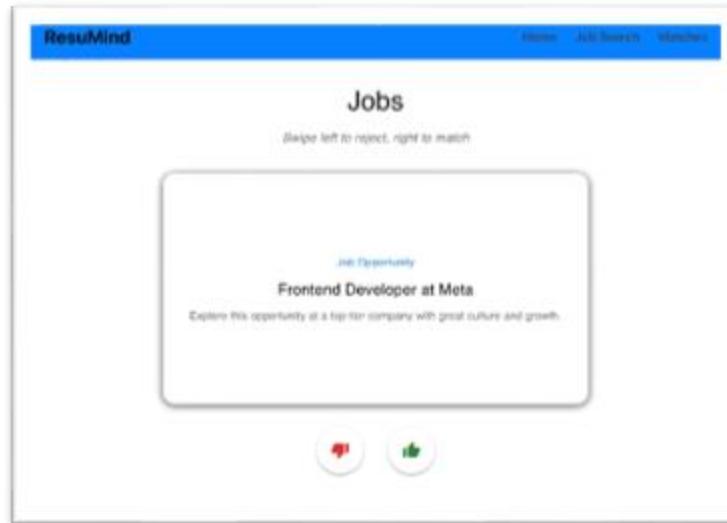
ResuMind is an AI-powered job assistant that personalizes the job search experience for job seekers who struggle to find roles that match their skills and career goals. Our application uses natural language processing to recommend verified job opportunities and helps users understand how closely they fit the role.

• Reduced job search time
• Skill match insights
• Resume feedback
• Interview prep

Your Profile
Your Name
UPLOAD RESUME

What People Are Saying

"Landed my dream job in just 2 weeks!" – Sarah K.
"Finally, job hunting feels easy and smart." – Jamal B.
"I understood why I wasn't getting interviews!" – Priya M.

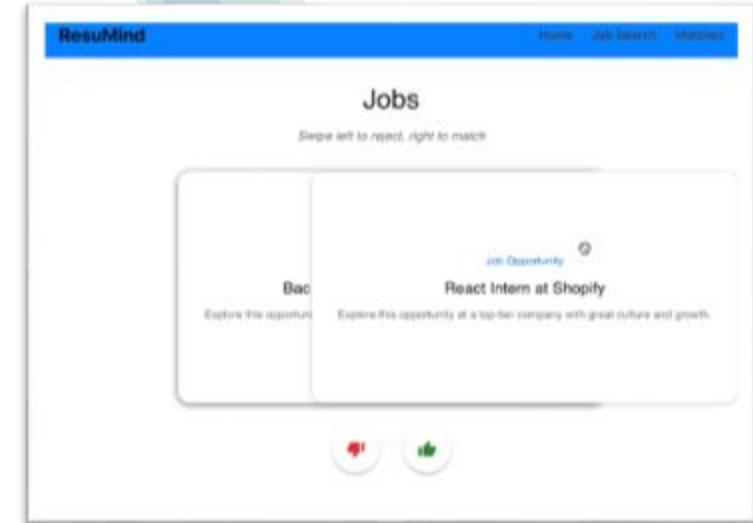


The screenshot shows a 'Jobs' page from ResuMind. It features a central card for a 'Frontend Developer at Meta' position, described as a 'Job Opportunity'. Below the card are two circular interaction buttons: a red one with a minus sign and a green one with a plus sign.

ResuMind
Jobs
Swipe left to reject, right to match

Job Opportunity
Frontend Developer at Meta
Explore this opportunity at a top-tier company with great culture and growth.

Bad
Good

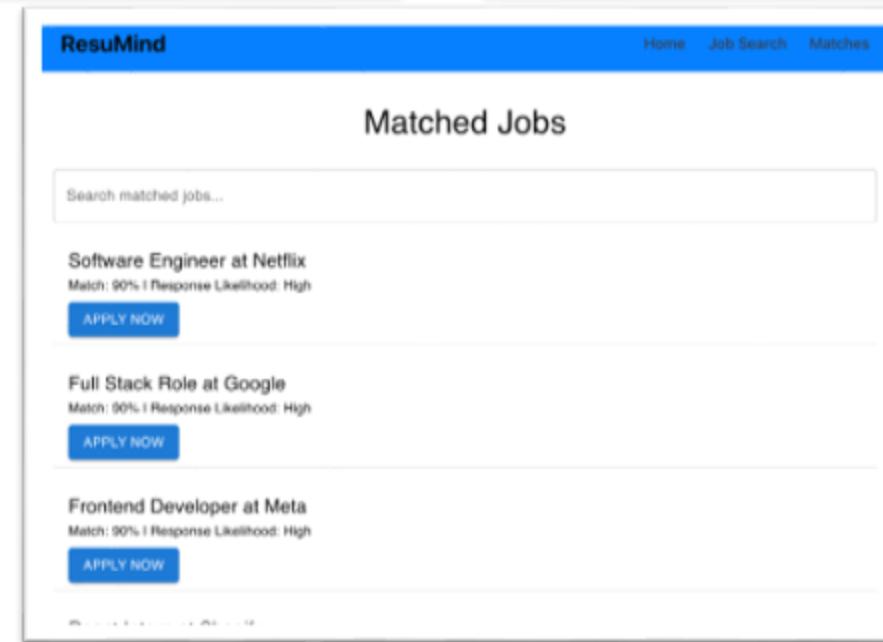


The screenshot shows another 'Jobs' page from ResuMind, similar to the first one. It features a central card for a 'React Intern at Shopify' position, described as a 'Job Opportunity'. Below the card are two circular interaction buttons: a red one with a minus sign and a green one with a plus sign.

ResuMind
Jobs
Swipe left to reject, right to match

Bad
Good

Job Opportunity
React Intern at Shopify
Explore this opportunity at a top-tier company with great culture and growth.



The screenshot shows a 'Matched Jobs' page from ResuMind. It includes a search bar labeled 'Search matched jobs...' and a list of three job opportunities with 'APPLY NOW' buttons:

- Software Engineer at Netflix
Match: 90% | Response Likelihood: High
APPLY NOW
- Full Stack Role at Google
Match: 90% | Response Likelihood: High
APPLY NOW
- Frontend Developer at Meta
Match: 90% | Response Likelihood: High
APPLY NOW

ResuMind
Matched Jobs
Home Job Search Matches

Test Cases

Tr	Feature Area	Component	User Story	Scenario	Acceptance Criteria	Trigger/Interaction	Expected Behavior	Status
	Project Setup	File structure	As a developer, I want to create the file hierarchy needed for our frontend development	Set up React app and the folder structure	Create file structure, run app locally	App start	Local server loads frontend successfully.	Pass
	Frontend libraries	Technology evaluation	As a developer, I need to see if there's any specific react libraries that would benefit our app, such as a swipe functionality for the cards	Research and list helpful React libraries	Document list of additional libraries that may be needed for ResuMind and share with the team	Document research, sync with team	Library list exists in project documents	Pass
	Design systems	CSS Tooling	As a frontend developer, I want to choose the best CSS tool so that our website is visually appealing and aligns with our design goals	Evaluate and select styling framework	Document CSS tools, share with team	Team discussion	Tool decision documented	Pass
	Brand Identity	Global style guide	As a team, we want to align on defining ResuMind's brand identity so that the design and tone are consistent across the site	Create brand doc with tone, colors, fonts	Document brand tone	Sync with team on design	Style guide is available to team	Pass
	Landing Page	Tagline and Overview Text	As a frontend developer, I want to ensure that our website contains a clear tagline and overview that explains what ResuMind does.	View homepage	Tagline and overview should appear at the top of the homepage	Page load	Tagline and overview is visible and legible	Pass
	Landing Page	Upload Resume Button	As a frontend developer, I want to create a clear call-to-action "Upload Resume" button that allows users to upload their resume	Interact with CTA button	Upload resume button is clickable, user can upload resume successfully	Click button	Resume is uploaded successfully to site	Pass
	Navigation	Navigation Bar	As a user, I want to be able to navigate across different pages across the application	Use the nav bar to browse across the site	Nav bar allows users to click through different pages including Home, Job Search, Matched Jobs	Click links in nav bar	Navigates accordingly to correct pages	Pass
	Job cards	Job card UI	As a developer, I want a card that is easy to read and has all of the parts necessary to match the job applications that are being referenced on it.	Display job card layout	Broad job description is laid out on the card	Load job criteria	Card appears with job information	Pass
	Swipe Interaction	Swipable Card UI	As a user, I want to swipe right to save a job for further review so that I can revisit promising opportunities later. Swiping left removes it from the list.	Implement swipe left/right logic	When you swipe left, the job is removed from the list of jobs. When you swipe right, it adds the posting to a list that can be viewed	Swipe gesture, button press	Matched jobs and dismissed jobs update accordingly	Pass
	Matched jobs	Matched Jobs list	As a user, I want to be able to see the list of jobs I swiped right on from the previous page	Matched jobs are listed on page	Matched jobs are visible, job information is visible, matched jobs are shown in order that they've been saved	Navigate to matched jobs page	Saved jobs appear in matched jobs list	Pass



Metrics



Key Items:

- Team Velocity
- Burnout chart
- Completed/Committed Ratio

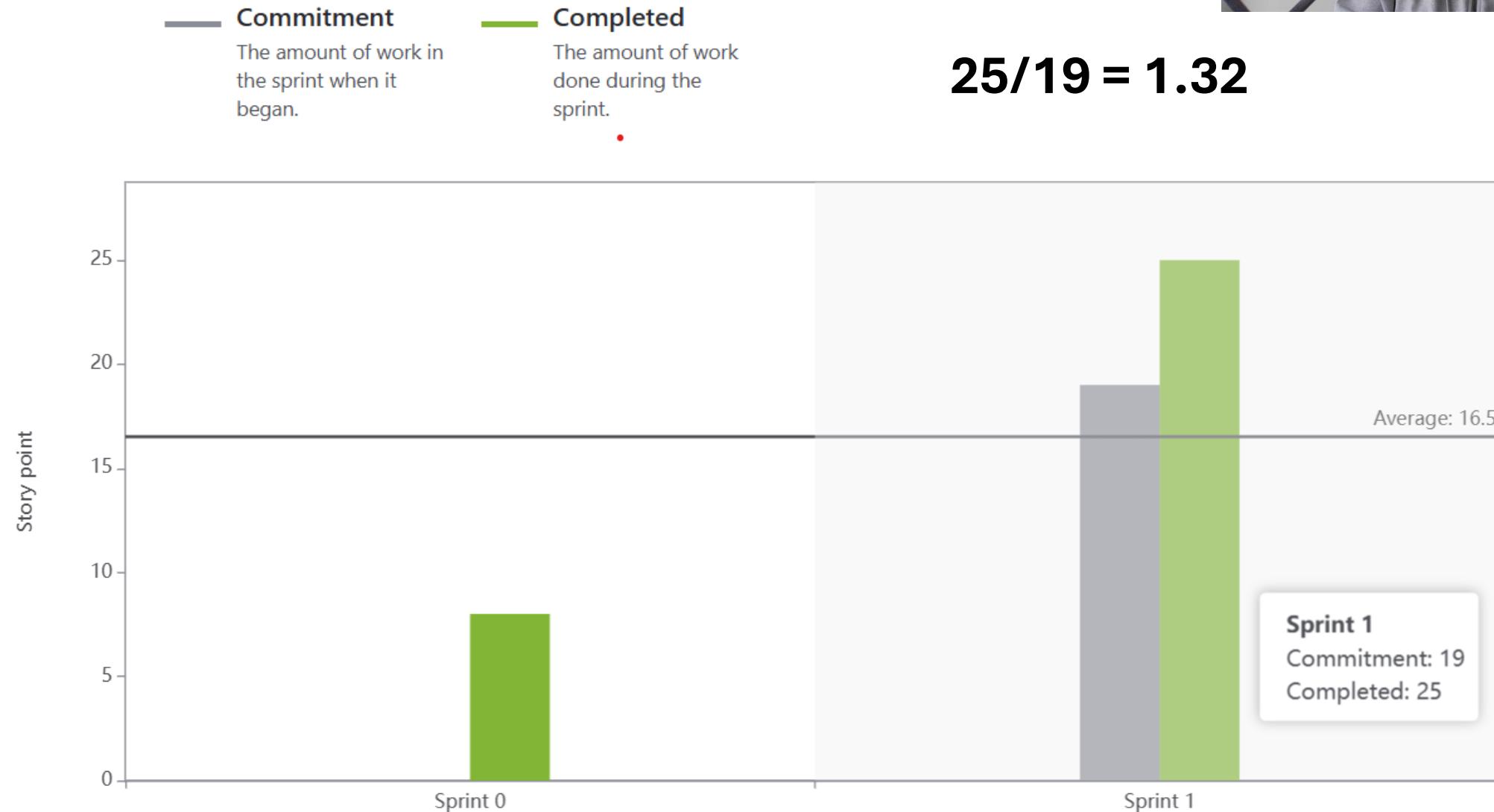


Team Velocity

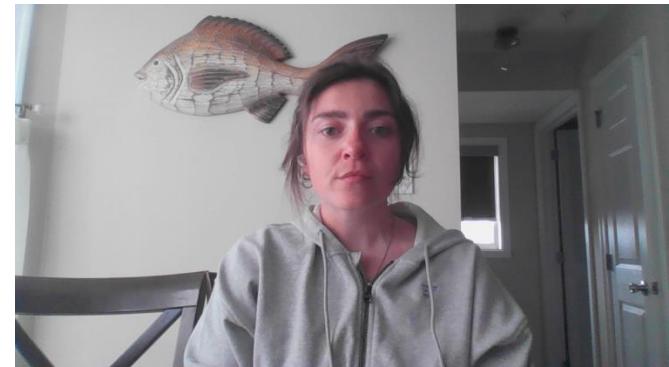
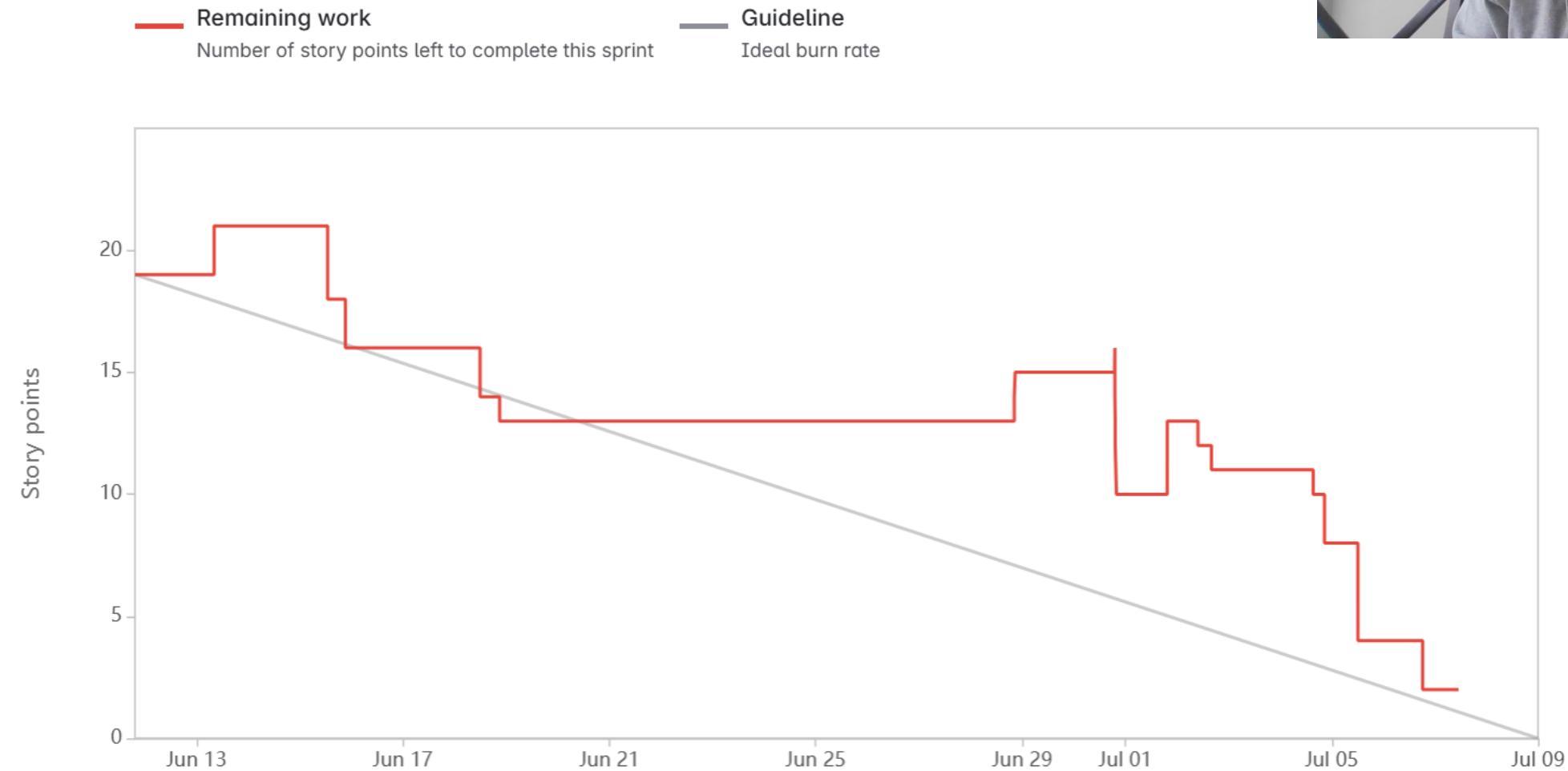
- Initial committed story points : **19 points**
- Final committed story points: **25 points**
 - One task unresolved during Sprint 1
- 25 points is our team velocity
 - We exceeded our initial commitment
- Only one task on the backend was moved to our backlog for the next sprint.



Committed/Completed Ratio



Burnout Chart



Metrics Summary/Completed Tasks



Jira

JQL Query: issueKey in (NY4-30,NY4-10,NY4-13,NY4-17,NY4-28,NY4-50,NY4-52,NY4-31,NY4-34,NY4-11,NY4-15,NY4-46,NY4-43,NY4-18,NY4-14,NY4-12,NY4-16)

Sorted by: Key descending

1–17 of 17 as at: 07/Jul/25 2:11 PM

Summary	P	Status	Resolution	Created	Due	Key	Story point estimate	Assignee
Install Docker on EC2 Instance	≡	DONE	Done	28/Jun/25	09/Jul/25	NY4-52	1	Joseph Indriolo
Provision MongoDB Table on EC2 Instance	≡	DONE	Done	28/Jun/25	09/Jul/25	NY4-50	1	Joseph Indriolo
Design landing page	≡	DONE	Done	23/Jun/25	09/Jul/25	NY4-46	1	Bushra, Ms. Anika
Develop ResuMind's brand identity:	≡	DONE	Done	23/Jun/25	09/Jul/25	NY4-43	1	Bushra, Ms. Anika
Create swipe left/right action	≡	DONE	Done	19/Jun/25	09/Jul/25	NY4-34	1	Eric Lantz
Create initial card component for job posting	≡	DONE	Done	19/Jun/25	09/Jul/25	NY4-31	1	Eric Lantz
Create backend API using Flask	≡	TO DO	Unresolved	13/Jun/25	09/Jul/25	NY4-30	2	Joseph Indriolo
Identify tool for front end design	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-28	1	Bushra, Ms. Anika
Work on job recommendation model	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-18	2	Sarah Wierzbicki
Clean job description data to be used for our database of jobs	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-17	2	Sarah Wierzbicki
Refine and complete high level architecture diagram	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-16	2	Joseph Indriolo
Begin developing code for resume parser	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-15	2	Sarah Wierzbicki
Install needed frameworks on EC2 Instance	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-14	2	Joseph Indriolo
Provision and Deploy Amazon EC2 Instance	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-13	2	Joseph Indriolo
Identify the color scheme and design aspects of the frontend	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-12	2	Bushra, Ms. Anika
Identify and install any additional react libraries needed for the frontend	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-11	1	Eric Lantz
Create react app for frontend development	≡	DONE	Done	11/Jun/25	09/Jul/25	NY4-10	3	Eric Lantz

Sprint 0 Retrospective



The image shows a Trello board titled "Sprint 0 Retrospective" with four main columns:

- Went Well**:
 - We work well together
 - Whatsapp, weekly meetings, great communication
 - Using Collaboration tools for ease of contributions.
 - Divided up the work in an efficient and strategic way focused on learning.
 - Diverse skillsets, encouraging learning.
 - Great topic selection
- Could Be Improved**:
 - Meet a little earlier before 8:30 PM EST.
 - As we go further, communicate how different aspects will need to align.
 - Timebox meetings so they don't go out of control.
- Action Items**:
 - Work with our schedules, Find a better meeting time.
 - Make our meetings more structured, make an agenda.
 - KT Sessions so we all understand all parts of the code.
- Questions & Discussion**:
 - Next sprint, look at how we will write code

Each card in the columns has a "+ Add a card" button at the bottom right. The background of the board features a scenic view of mountains under a cloudy sky.

[Sprint Retrospective Board](#)

Sprint 1 Retrospective



NY4 Sprint 1 Retrospective 000

Went Well

- Meeting frequency is sufficient. Not too many, not too much. Respectful of each others time
- Great efficient Communication
- Very organized (Jira) makes it very easy to track our progress. Makes it very manageable.
- Did all we committed too, and more. Project is on track.
- Very resourceful team, share knowledge well. All learning.

Could Be Improved

- Stick to the agenda. Better plan the meetings and stick to it
- Call out blockers and questions early.
- When questions arise about different parts, we should communicate better in a way that is impactful and educational.

Action Items

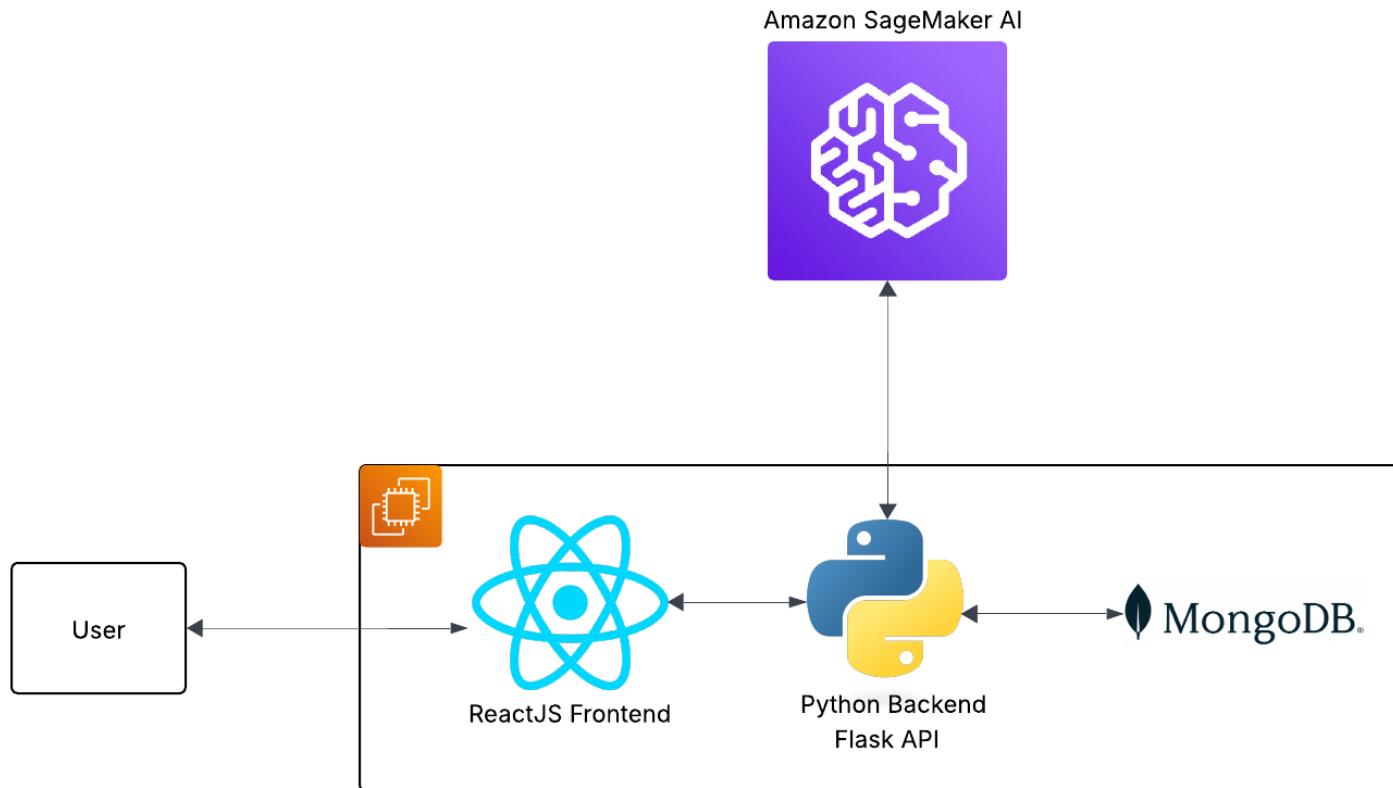
- Plan out meetings, enforce the time allotted to each part.
- When we have questions/blockers we should reach out earlier than later, to not waste time.
- During meetings, do a KT (Knowledge Transfer) about what and how we did each task, document them.

Questions & Discussion

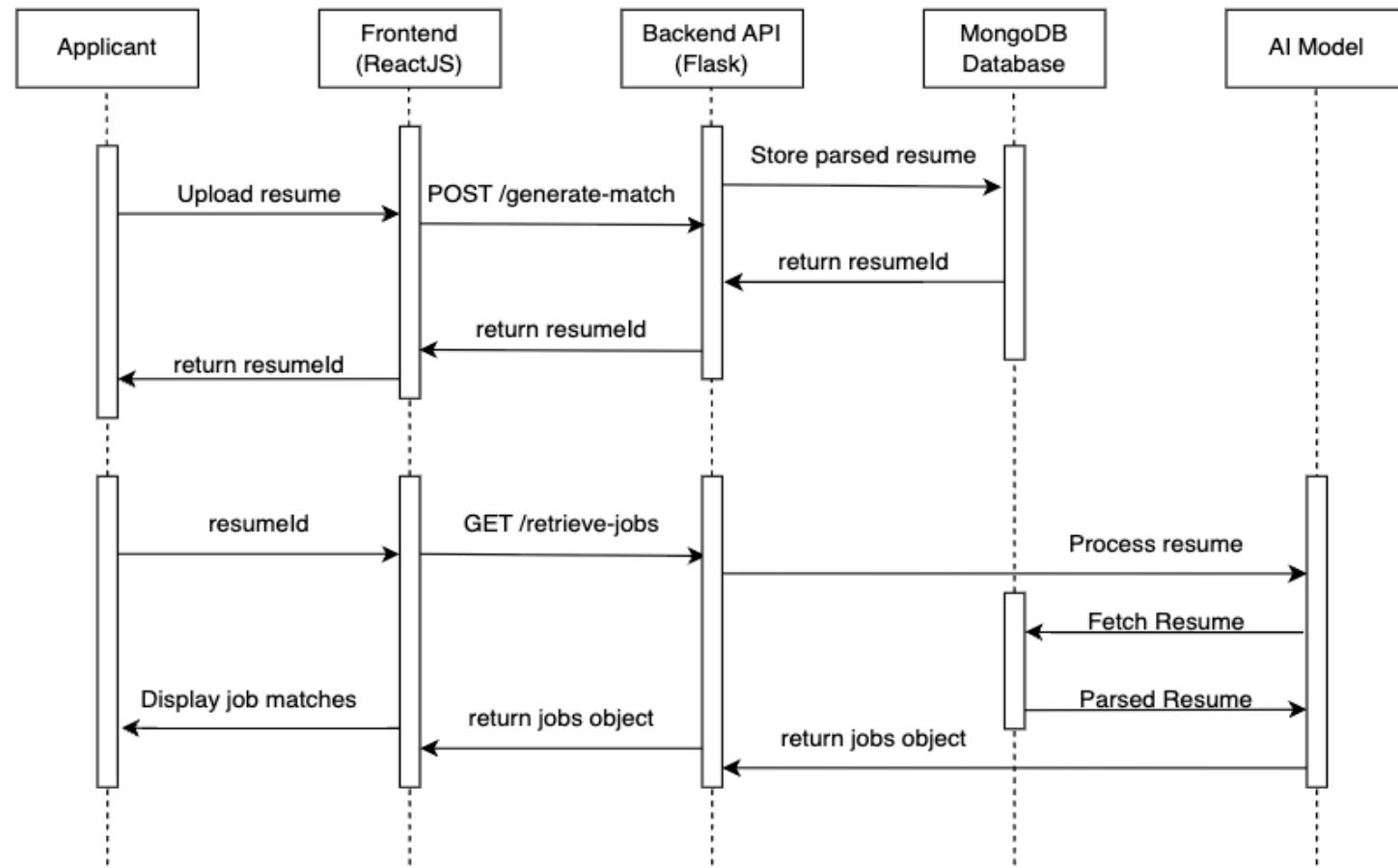
- + Add a card

Sprint Retrospective Board

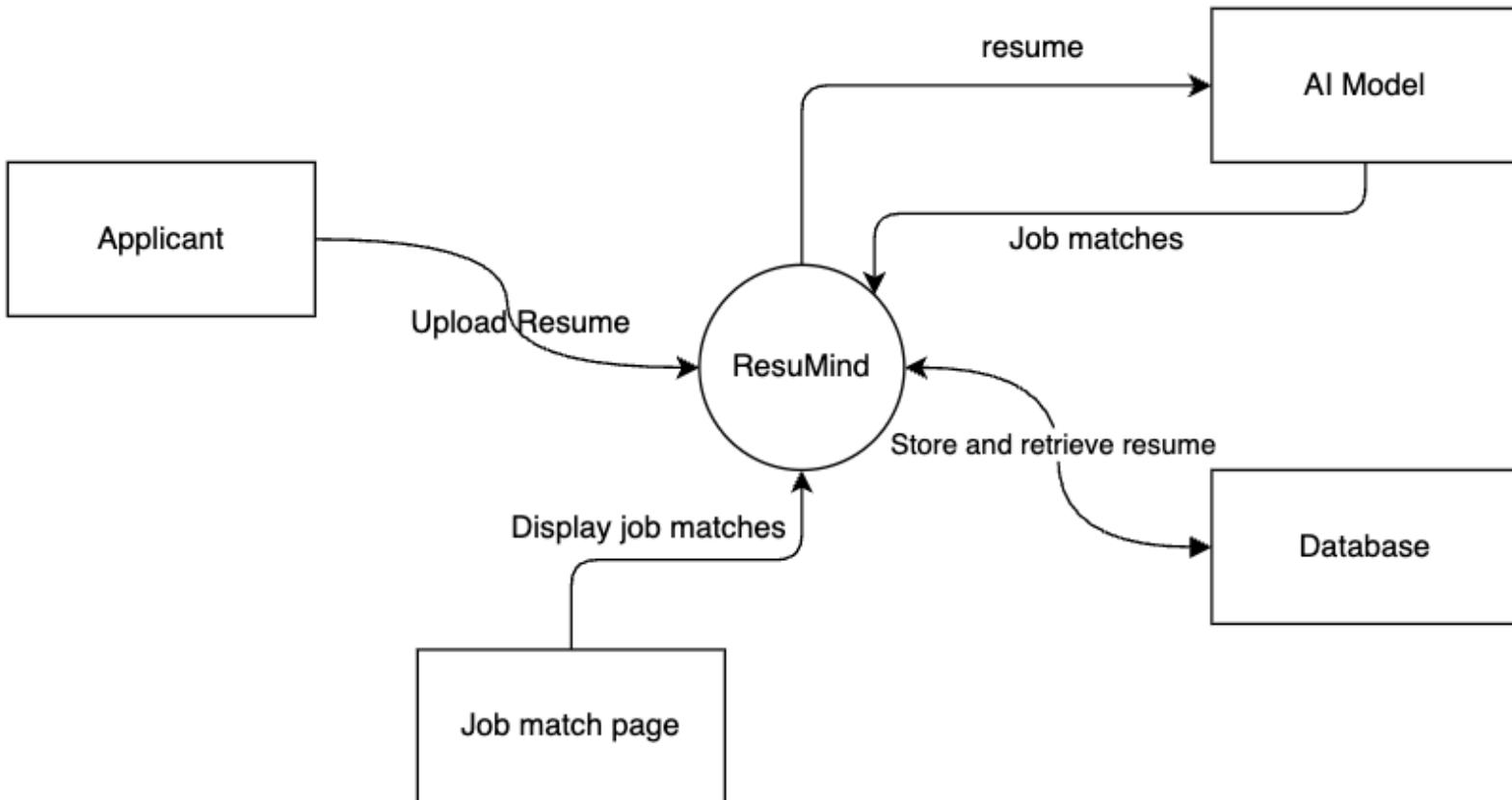
Architecture Diagram



Sequence Diagram



Context Diagram





Sprint 2 Planned Stories

Sprint 2 9 Jul – 22 Aug (11 work items)		20	0	0	Start sprint	...
Achieve MVP (Working frontend, functional backend ML model, connected and working together via Flask API, on the Ec2 instance.						
<input checked="" type="checkbox"/> NY4-30	Create backend API using Flask	BACKEND - ML MODEL	TO DO	Jul 9	1	SW
<input checked="" type="checkbox"/> NY4-33	Create props for each part of the job application card	FRONTEND - UI DEVE...	TO DO		2	EL
<input checked="" type="checkbox"/> NY4-55	Call Backend from Frontend UI	FRONTEND - UI DEVE...	TO DO		2	EL
<input checked="" type="checkbox"/> NY4-47	Implement Form Inputs	FRONTEND - UI DEVE...	TO DO		1	BA
<input checked="" type="checkbox"/> NY4-48	Cross browser testing	FRONTEND - UI DEVE...	TO DO		1	BA
<input checked="" type="checkbox"/> NY4-49	Deploy ML model to Sagemaker	BACKEND - ML MODEL	TO DO		2	JI
<input checked="" type="checkbox"/> NY4-54	Backend Query Job Dataset	BACKEND - ML MODEL	TO DO		2	SW
<input checked="" type="checkbox"/> NY4-29	Research Deployment Methods	BACKEND - ML MODEL	TO DO		1	JI
<input checked="" type="checkbox"/> NY4-19	Create test cases sheet	TEAM PROCESSES & ...	TO DO		2	BA
<input checked="" type="checkbox"/> NY4-56	Create POST Process Resume	BACKEND - ML MODEL	TO DO		3	SW
<input checked="" type="checkbox"/> NY4-57	Create GET Model Inference	BACKEND - ML MODEL	TO DO		3	SW

Wiki Link:

<https://github.com/htmw/2025Su-NY4/wiki>