



ResumeUp

Final Presentation

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Siddharthan Prakash

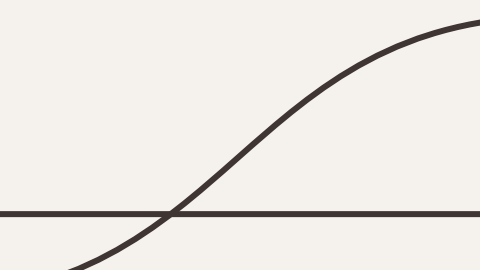


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01 - Introduction

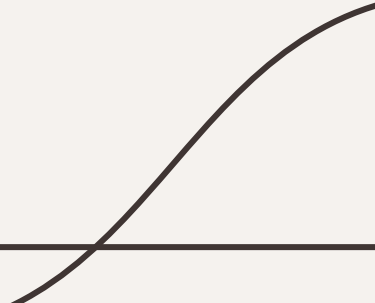
Overall Goals and Uses

- Design high quality resumes leveraging the power of AI
 - Provide users with a tool to improve their resume language
 - Use artificial intelligence to make decisions
 - Allow users to view all of their resumes in one location
 - Give resumes a score to demonstrate its overall effectiveness
 - Optimize resume text by taking basic information and creating detailed sentences
- 

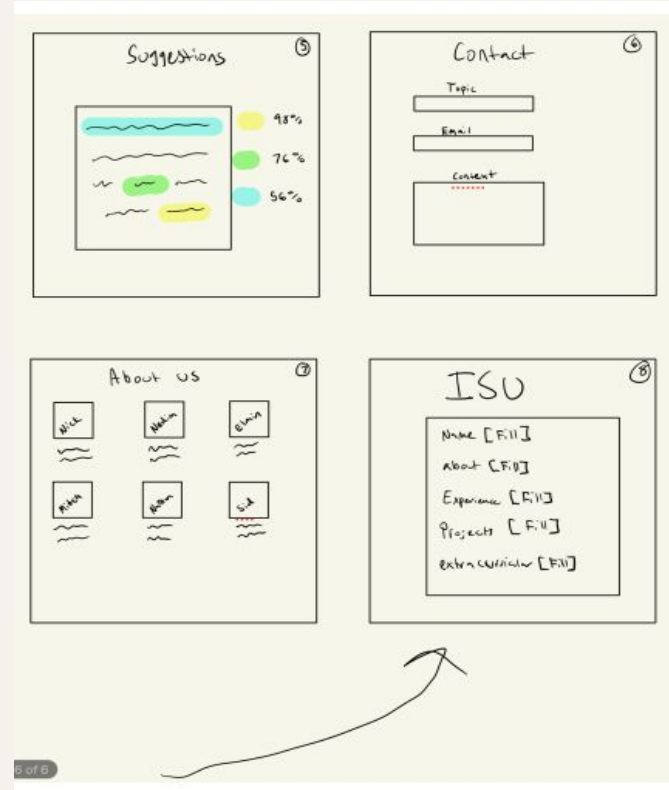
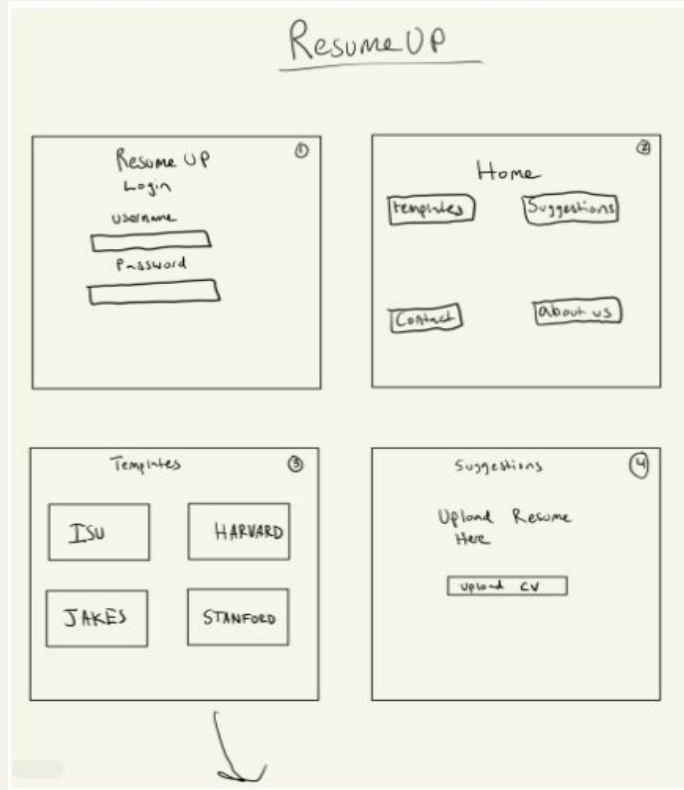
02 - Design

Project Architecture

- Next.JS
- MongoDB
- Amazon EC2
- OpenAI



02 - Design - Design Choices



02 - Design - Design Choices

491
Resume Up - Screen Sketches

1) Home Page (Landing Dashboard)

Layout

Header Bar
↳ Links to all pages

Possible AI window
↳ Should require sign-in

Talk about purpose of project, who we are, etc.
↳ Becomes 'matter' when logged in

Sample Resumes (Not templates, real resume examples)
↳ Clicking/hovering could display template?

List of templates
↳ Hover over to preview/click to see details?

Layout

Click on template, window will pop-up on the left in place of the samples.
Shows previous (blank) of template, + info (Section, fonts, colors, spacing) + maybe what it is recommended for

Layout

Create - Make new resume

Upload - Upload a resume + maybe add to a template or check it?

Grade - Check current resume with our criteria + get a score

Gallery - See all saved resumes for your account

Condensed About US

Form Page

Title of Page is at top

Instructive for the selected section; basic instructions to help fill out the form

Simple form for education section

Blanks for user to fill in

User can add more schools if necessary one desired sections are complete, put into template

List of sections of a resume
↳ Clicking on a section will open the associated form/instructions on the right

See draft + come back later

Resume Feedback

Score for each criteria (Color-based Feedback)

Each criteria has a color + areas that fall under each one is highlighted/underlined by that color

Different criteria -> Clicking on one expands it out shows details

Resume Display

Having our underline can show how it affected the score

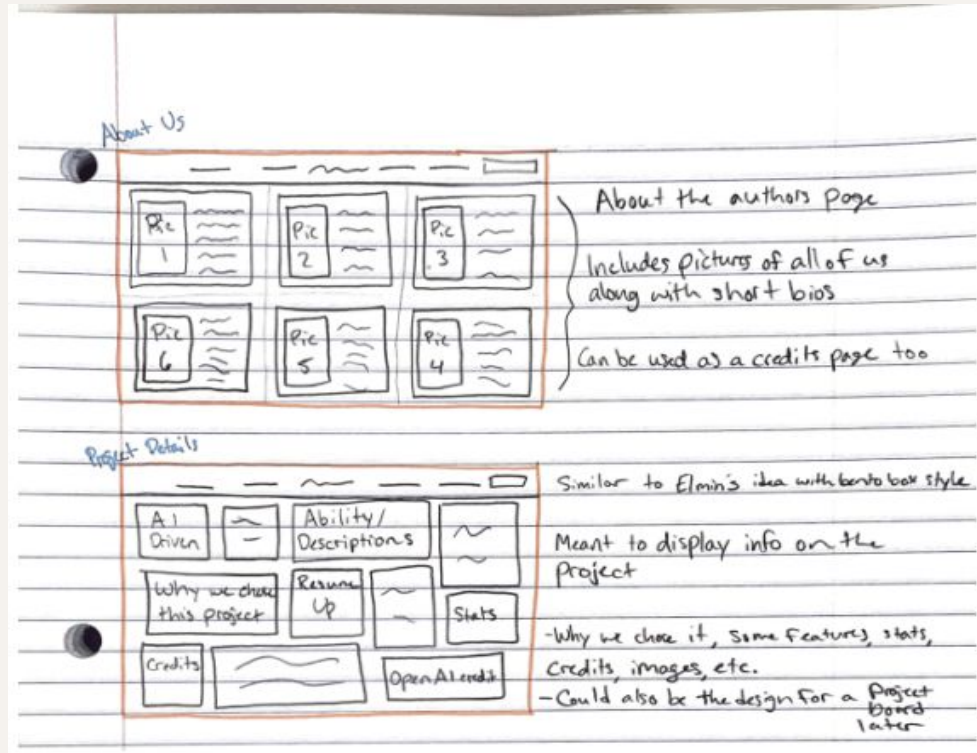
Resume Comparison

Scores for each criteria for both resumes -> Should now one be 100? Why or why not?

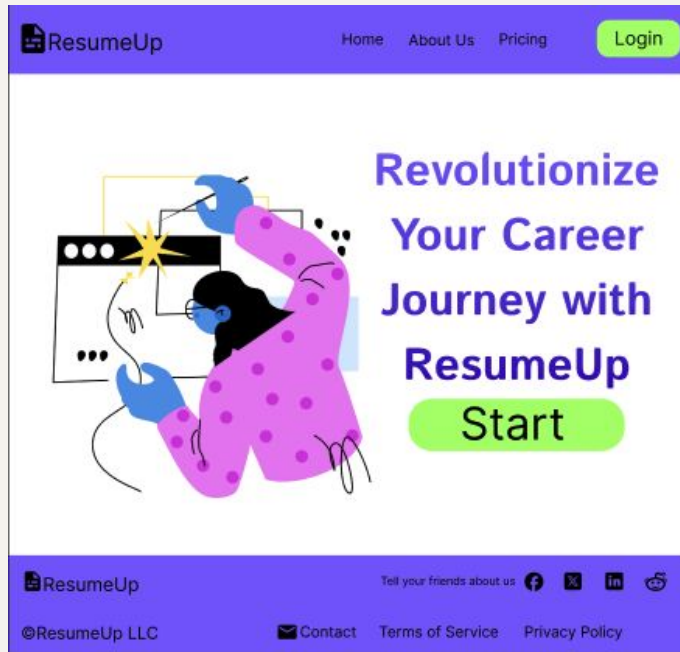
Overall score (average of all)

Ability to see both resumes side by side

02 - Design - Design Choices



02 - Design - Design Choices

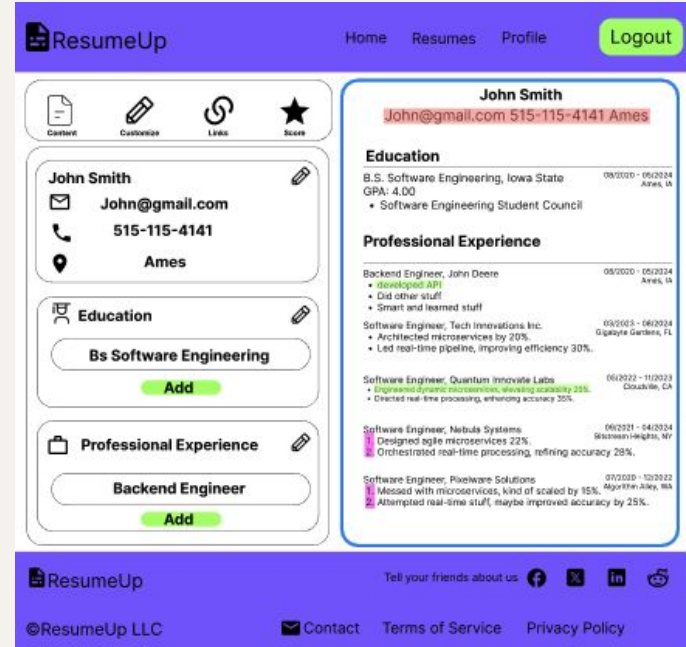


The landing page features a purple header with the ResumeUp logo, navigation links (Home, About Us, Pricing), and a green Login button. The main content area has a white background with a central illustration of a person in a pink polka-dot suit interacting with a computer screen. To the right of the illustration, the text reads "Revolutionize Your Career Journey with ResumeUp" in blue, followed by a green "Start" button. The footer contains the ResumeUp logo, social media icons, and contact information.

ResumeUp Home About Us Pricing Login

Revolutionize Your Career Journey with ResumeUp Start

ResumeUp Tell your friends about us Contact Terms of Service Privacy Policy



The profile page features a purple header with the ResumeUp logo, navigation links (Home, Resumes, Profile), and a green Logout button. The main content area has a white background with a central illustration of a person in a pink polka-dot suit interacting with a computer screen. To the right of the illustration, the text reads "Revolutionize Your Career Journey with ResumeUp" in blue, followed by a green "Start" button. The footer contains the ResumeUp logo, social media icons, and contact information.

ResumeUp Home Resumes Profile Logout

John Smith
John@gmail.com 515-115-4141 Ames

Education
B.S. Software Engineering, Iowa State
GPA: 4.00
• Software Engineering Student Council

Professional Experience
Backend Engineer, John Deere
• Developed API
• Did other stuff
• Smart and learned stuff

Software Engineer, Tech Innovations Inc.
• Architected microservices by 20%
• Led real-time pipeline, improving efficiency 30%.

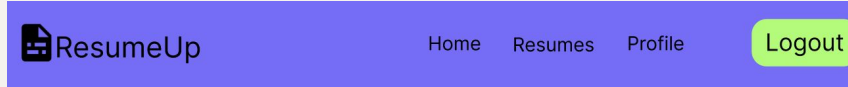
Software Engineer, Quantum Innovate Labs
• Engineered dynamic microservices, increasing scalability 25%
• Directed real-time processing, enhancing accuracy 35%.

Software Engineer, Nebula Systems
• Designed agile microservices 22%
• Orchestrated real-time processing, refining accuracy 28%.

Software Engineer, Pinnacle Solutions
• Messed with microservices, kind of scaled by 15%
• Attempted real-time stuff, maybe improved accuracy by 25%.

ResumeUp Tell your friends about us Contact Terms of Service Privacy Policy

02 - Design - Design Choices



Old



New



02 - Design - Design Choices

Profile

Account **Subscription**

Settings **Privacy**

Old

Profile

First Name Last Name

Phone Number

Change Password

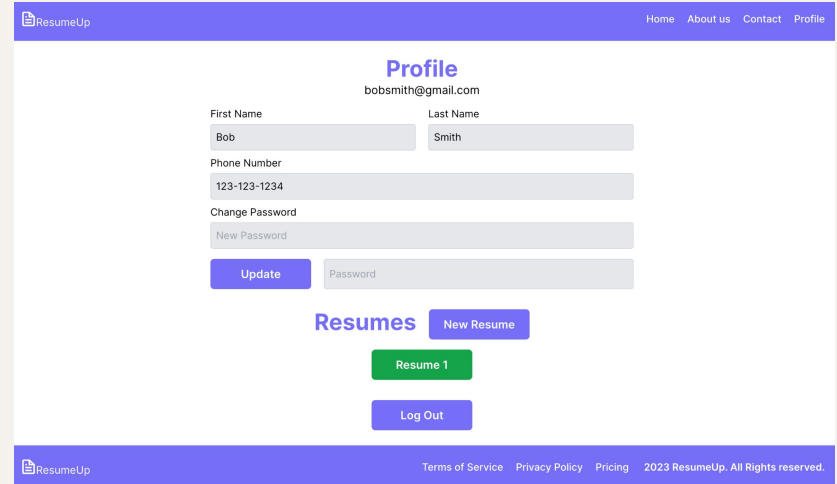
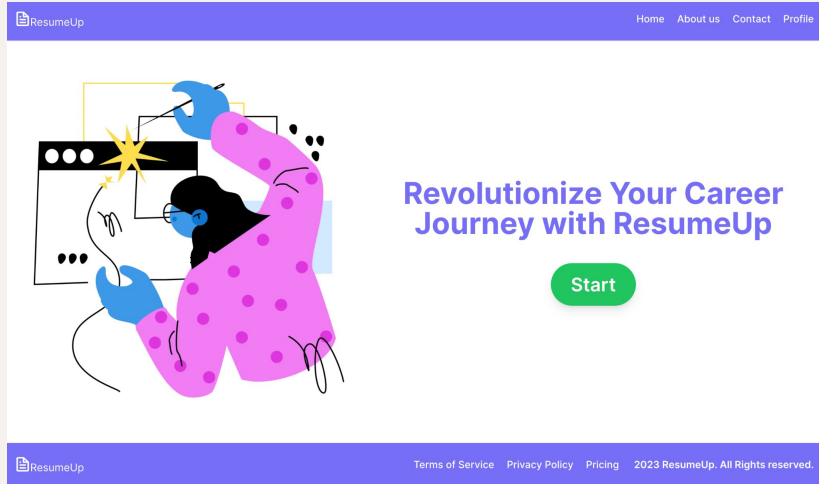
New Password

Password

Resumes

New

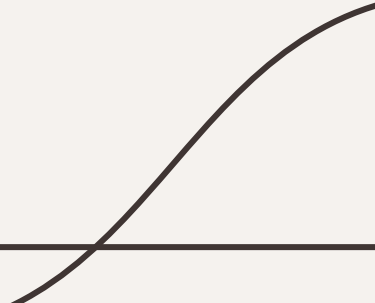
02 - Design - Design Choices



03 - Implementation

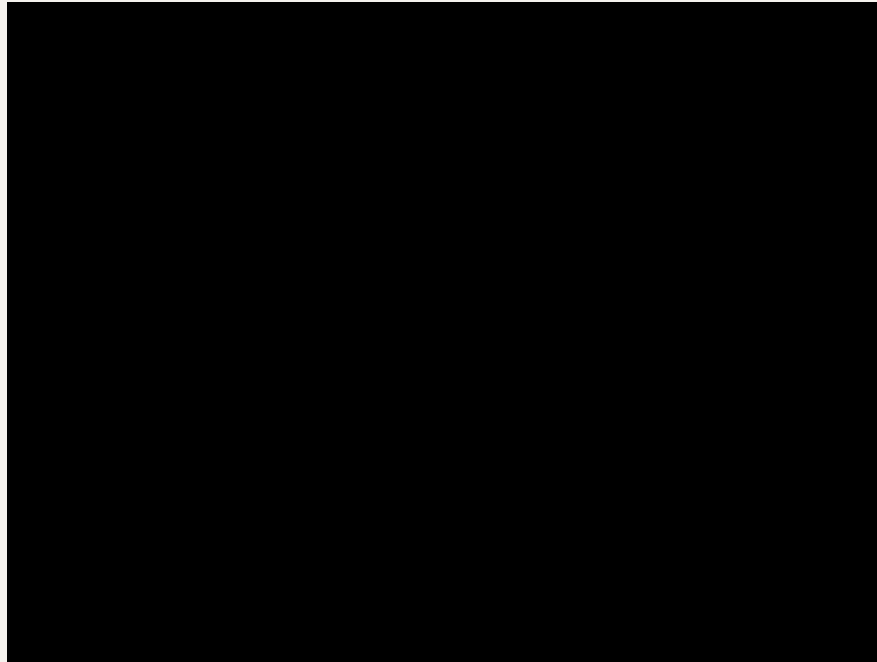
Functionality

- Sign up
- Log in
- Create resumes with AI assistance
- Save resumes



03 - Implementation

Demonstration



04 - Challenges

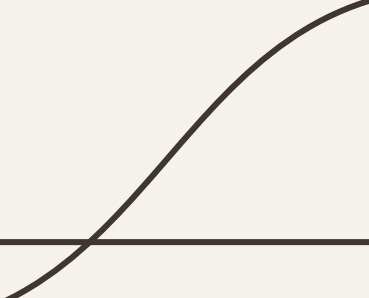
Difficulties and Solutions

- Dropped Amazon Amplify
 - Switched to using a EC2
- Dropped DynamoDB
 - Switched to MongoDB
- Difficulty getting funding for AWS



05 - Successes

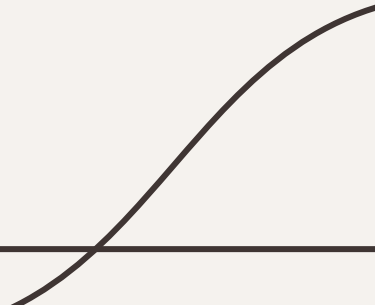
What Went Well

- Identifying problems ahead of time and pivoting quickly
 - Switching from Amplify to a EC2, DynamoDB to MongoDB
 - Creating a MVP (Minimum viable product) quickly that was enhanced upon
 - Overall collaboration and communication
 - Teaching each other skills we learned along the way
- 

06 - Conclusion

What We Learned

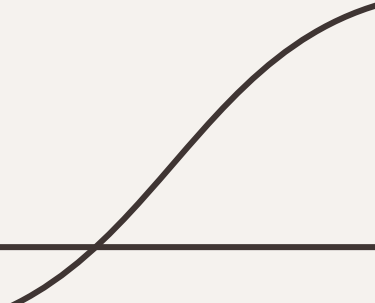
- Next.js and TypeScript
 - Server and client components
- AWS Services and the SDK
- Working with OpenAI and prompt engineering



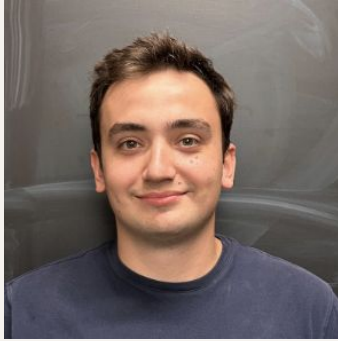
06 - Conclusion

Next Steps

- Create more resume templates
- Implement resume uploading/editing
- Improve resume grading



Our team



Elmin Didic



Mitch Talyat



Nedim Hodzic



Nathan Boldt



Nick Thomas



Siddharthan Prakash



Thank You

