

# RESUME

## Group 7

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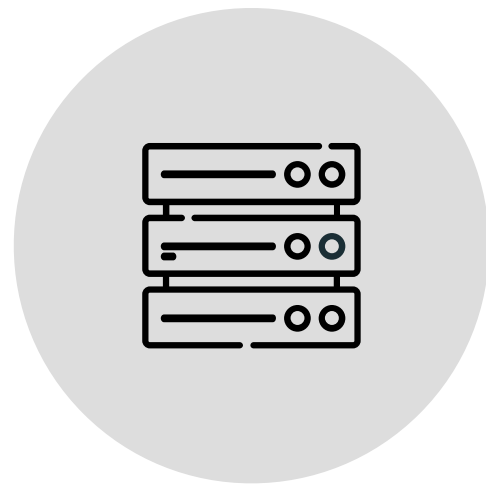
Demo



01

# Introduction

# Problems Within Existing Approach



## Centralization

- Centralized control by the platform owners
- Issues like limited access and service outages



## Data History and Integrity

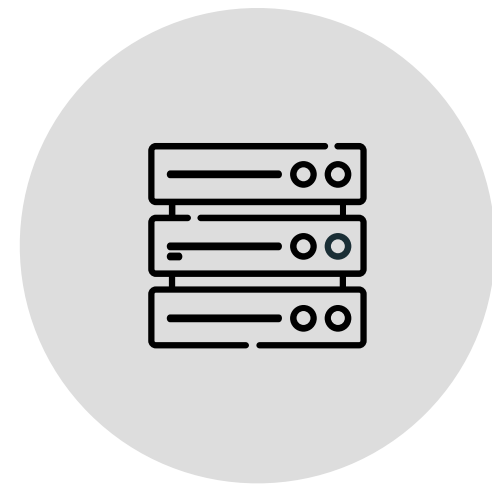
- User data history is not available for the public
- User data can be modified by the platform owners



## Non-Standardization

- Lack of a standardized format
- Difficult for employers to compare and analyze resumes efficiently

# Our Approach



## Decentralization

- Decentralized network with multiple replicas saving user's data
- Public access by the network user and fault tolerance of service outage



## Data History and Integrity

- Store user data on ResilientDB
- Data is immutable on the blockchain with the corresponding transaction ID



## Standardization

- Standardized format
- Easy for employers to compare and analyze resumes efficiently



02

**Architecture**

## Frontend



Vue.js



JavaScript



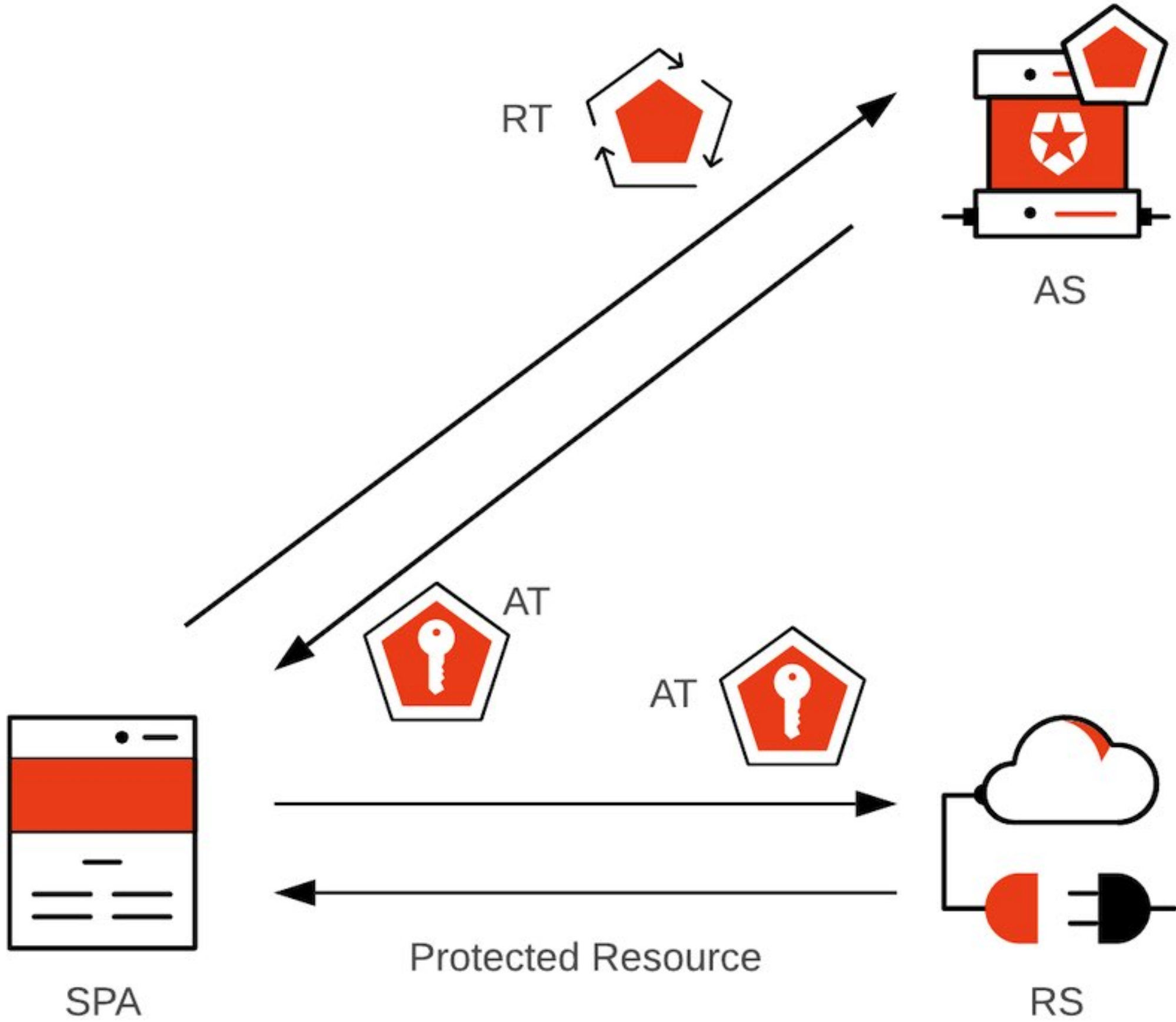
**VUETIFY**

## Backend



**Flask**

# Authentication



SPA: Single-Page Application

AS: Authorization Server

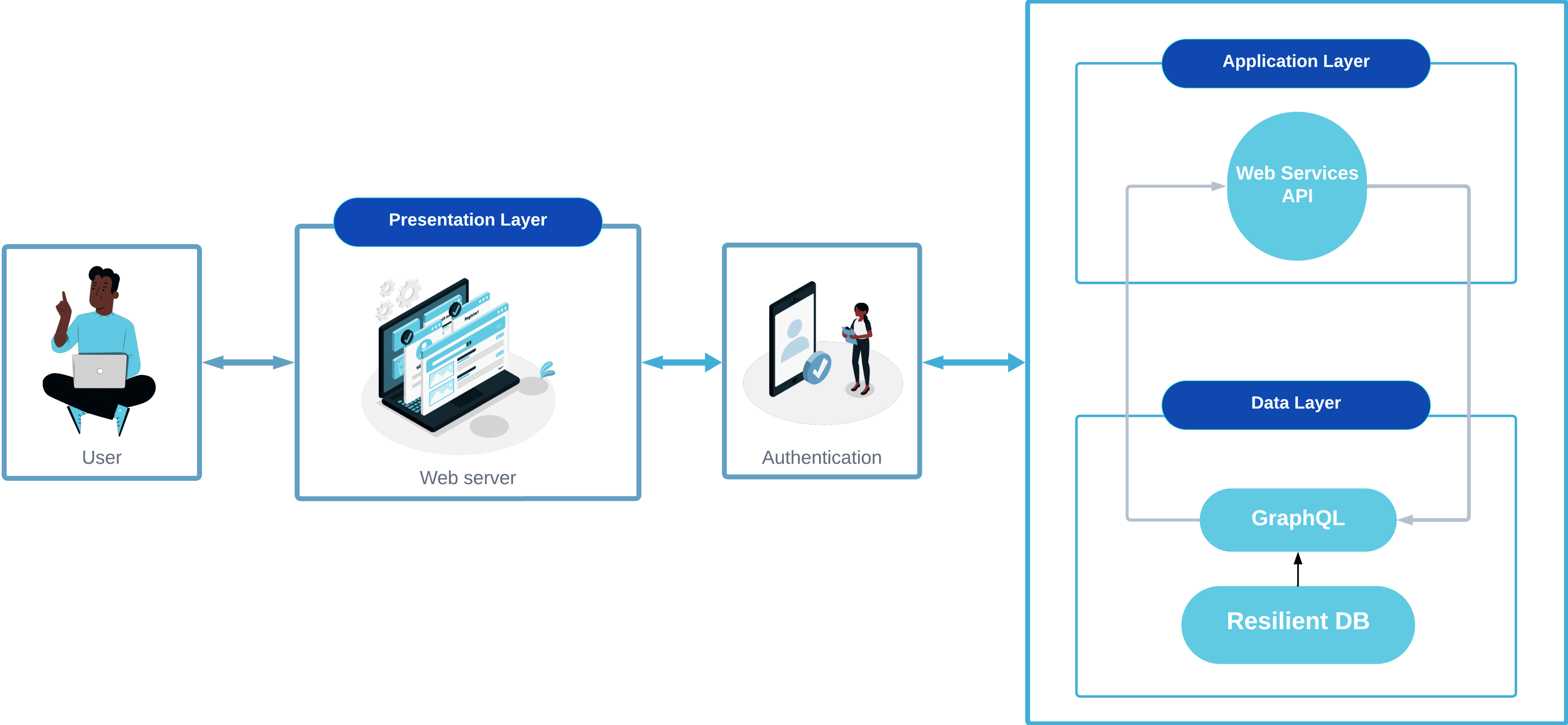
RS: Resource Server

AT: Access Token

RT: Refresh Token



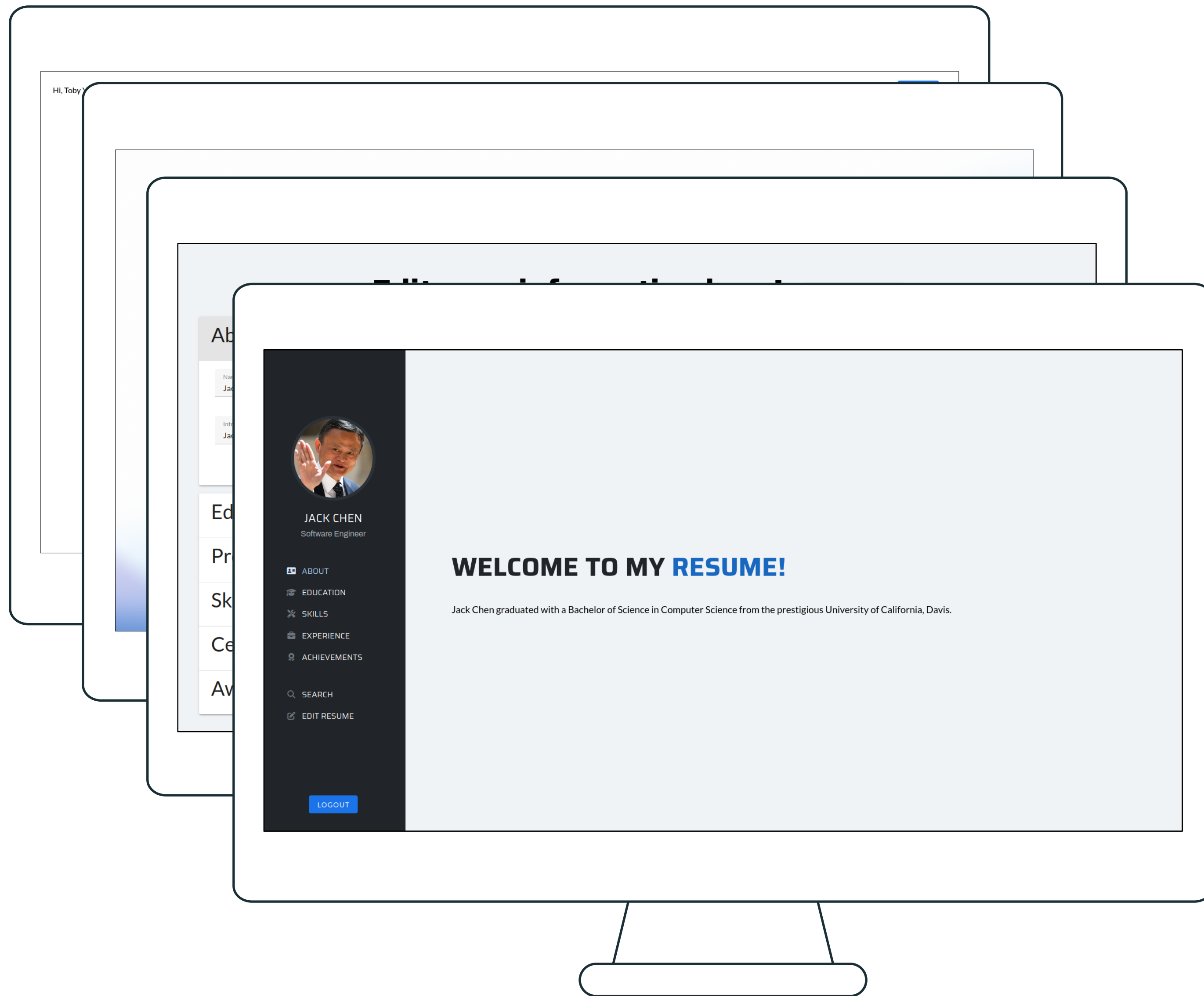
# Architecture





03

Frontend



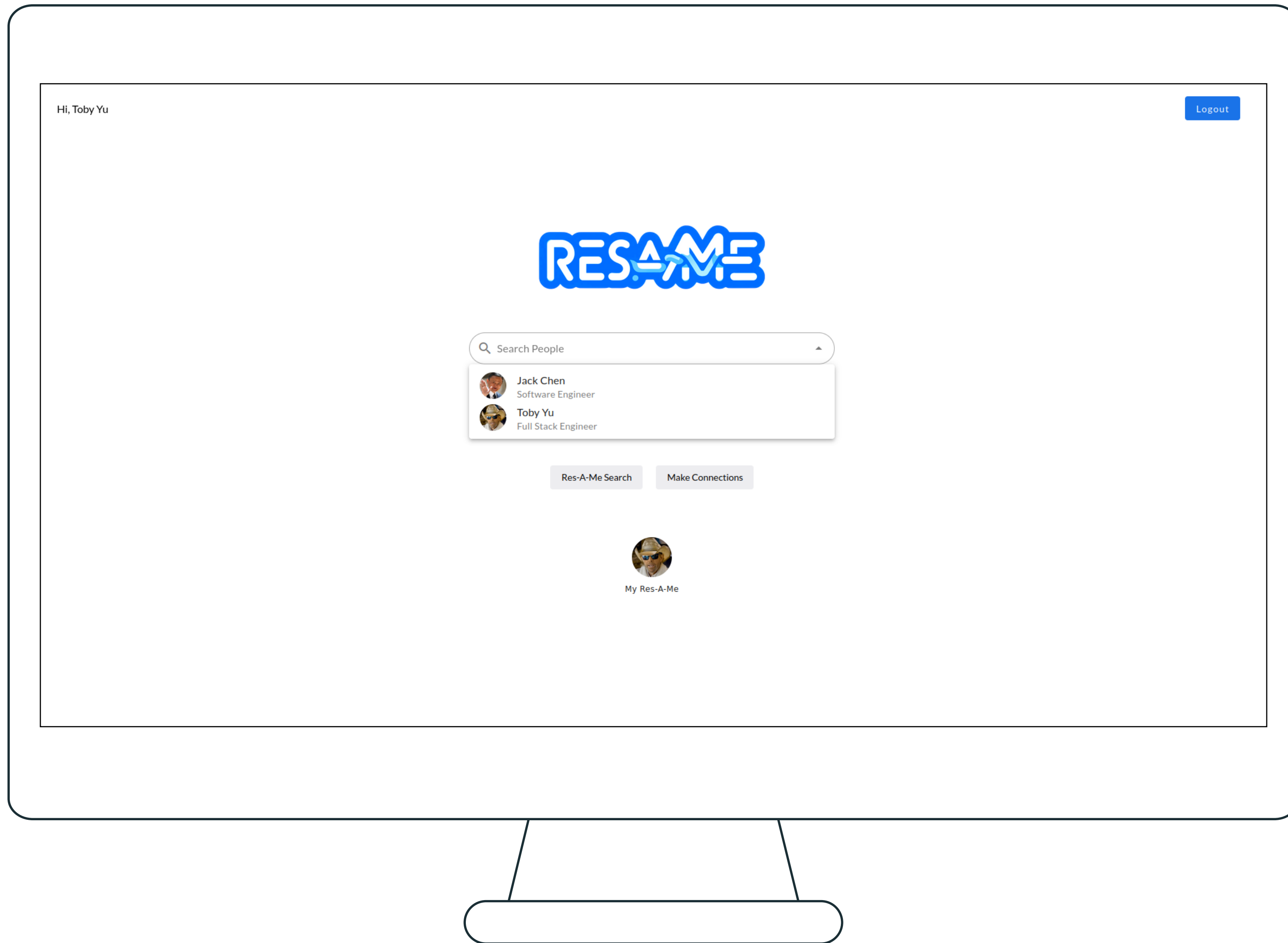
# Four Views

Search View

Login View

Edit View

Resume View





# Search View

Easily locate individuals by name and enhances community networking

[Go to Login Page](#)



Search People

-  Jack Chen  
Software Engineer
-  Toby Yu  
Full Stack Engineer

### Search Bar

Autocomplete

User Name

Profile Picture

Job Title

### Search

[Res-A-Me Search](#)

[Make Connections](#)

[Res-A-Me Search](#)

[Make Connections](#)



My Res-A-Me

### My Res-A-Me

[Go to my resume page](#)



# Login View

Providing a secure and personalized experience



Login to Res-a-Me

email

Password

LOGIN

Register

**Text Field**

Enter credentials

**Login**

Login to Res-A-Me

**Toggle**

Toggle between login  
and register



Register for Res-a-Me

email

Password

Confirm Password

REGISTER

[Already have an Account? Login.](#)

**Text Field**

Enter user info

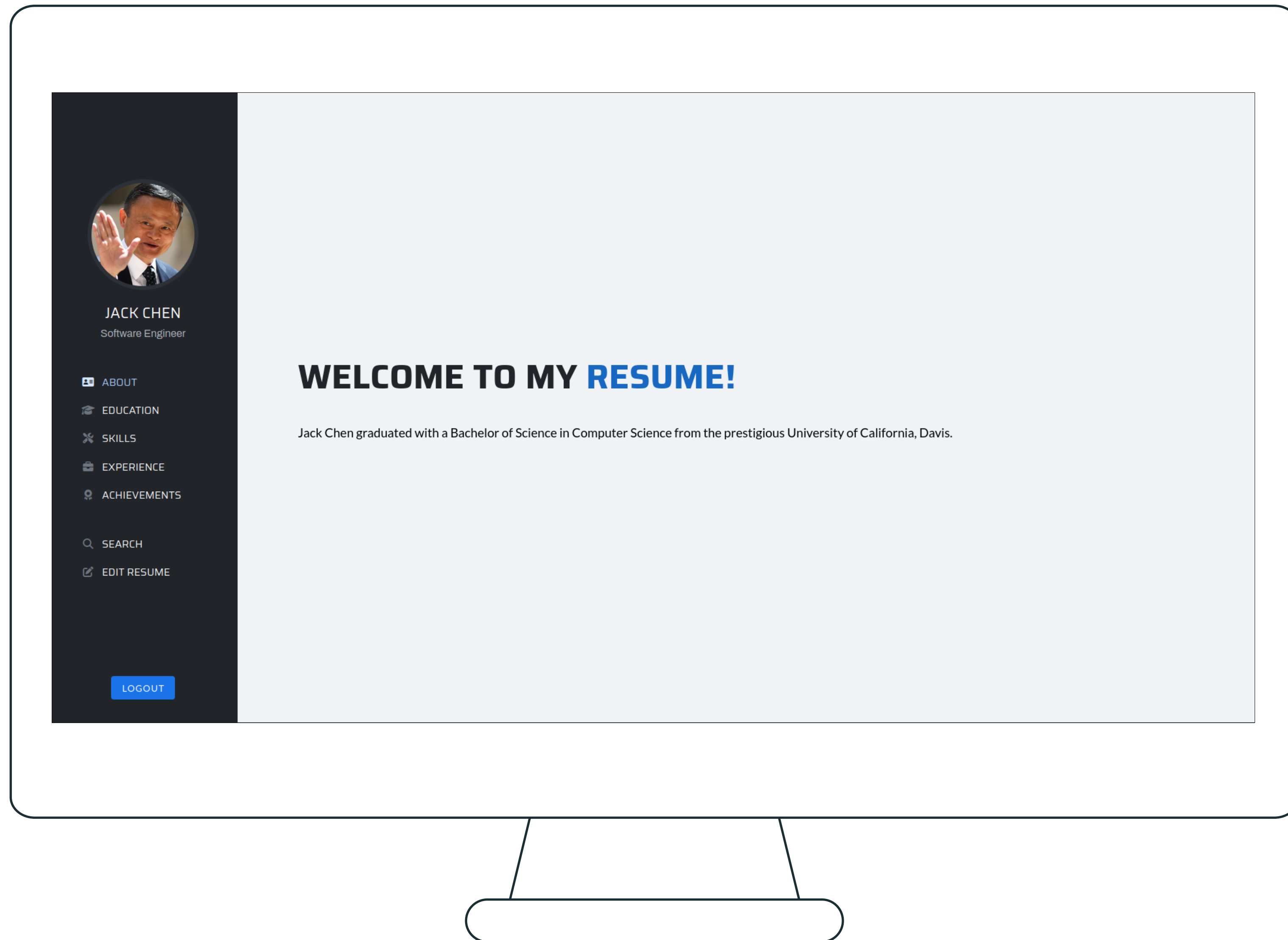
**Register**

Register new user

**Toggle**

Toggle between login  
and register





# Resume View

Comprehensive and informative profile

Showcasing user's resume history

## User Info

Profile Pic  
Position



JACK CHEN  
Software Engineer

## Sections

Five sections

- ABOUT
- EDUCATION
- SKILLS
- EXPERIENCE
- ACHIEVEMENTS
- SEARCH
- EDIT RESUME

## Shortcuts

Search view  
Edit view

LOGOUT

# WELCOME TO MY RESUME!

Strong expertise in modern programming languages and frameworks, coupled with a passion for developing efficient, user-centric software solutions. Proven ability to lead software development teams and deliver complex projects on time .

## About Section

Brief self introduction



**JACK CHEN**  
Software Engineer

- ABOUT
- EDUCATION**
- SKILLS
- EXPERIENCE
- ACHIEVEMENTS
- SEARCH
- EDIT RESUME

LOGOUT

## EDUCATIONAL BACKGROUND

A glimpse into my academic trajectory and accomplishments.

- Master of Science in Computer Science**  
University of California, Davis  
His education provided a solid foundation in both theoretical and practical aspects of computer science, preparing him for his successful career in software engineering.  
Sep 2022 → Jun 2024
- Bachelor of Science in Computer Science**  
University of California, Davis  
During his academic tenure, he honed his technical skills, specializing in software development, data structures, and algorithm design.  
Sep 2018 → Jun 2022

## Education Section

School Name

Diploma

Date

Brief Description



**JACK CHEN**  
Software Engineer

- ABOUT
- EDUCATION
- SKILLS
- EXPERIENCE
- ACHIEVEMENTS
- SEARCH
- EDIT RESUME

LOGOUT

## SKILL SET

Exploring the diverse range of skills I've acquired and developed:

- Java, Python, JavaScript, and C++**  
Proficient in Java, Python, JavaScript, and C++. Skilled in writing clean, efficient, and maintainable code in multiple languages, adapting to various project requirements.
- React**  
Experienced in using React for front-end development, creating responsive and dynamic user interfaces. Proficient in Angular for building scalable web applications. Skilled in Node.js for backend development and Spring Boot for building high-performance Java applications.
- MySQL, MongoDB, and PostgreSQL**  
Knowledgeable in database management and optimization with MySQL, MongoDB, and PostgreSQL. Experienced in designing robust database schemas and performing complex queries.

## Skill Section

Skill Name  
Brief Description



**JACK CHEN**  
Software Engineer

- ABOUT
- EDUCATION
- SKILLS
- EXPERIENCE**
- ACHIEVEMENTS
- SEARCH
- EDIT RESUME

LOGOUT

## PROFESSIONAL EXPERIENCE

A look into my work experience and career journey.

- Software Engineer** Jun 2022 → Sep 2023  
 Tech Innovations Inc.  
 Lead a team of 8 software engineers in the development of a high-traffic e-commerce platform, resulting in a 30% increase in user engagement. Spearheaded the migration of legacy systems to cloud-based architecture, enhancing system scalability and reducing operational costs by 25%. Implemented agile methodologies, improving project delivery times by 20% and increasing team productivity.
- Software Engineer** Jun 2018 → Sep 2018  
 Digital Solutions LLC  
 Contributed to the development of a multi-platform mobile application used by 500,000+ users, focusing on backend development and database optimization. Collaborated in a cross-functional team to design and implement user-centric features, enhancing customer satisfaction ratings by 15%. Automated deployment processes using CI/CD pipelines, reducing deployment times by 50%.

## Experience Section

Company Name

Position

Date

Brief Description



**JACK CHEN**  
Software Engineer


- ABOUT
- EDUCATION
- SKILLS
- EXPERIENCE
- ACHIEVEMENTS**
- SEARCH
- EDIT RESUME

LOGOUT

## CAREER ACHIEVEMENTS

Here are some of my career achievements.

### AWARDS

- OpenSource Contributions**  
 Jan 2019  Apache  
Contributed to several open-source projects, including enhancements to Apache Kafka.


### CERTIFICATIONS

- Professional Scrum Master (PSM I)**  
 Oct 2022  Scrum  
As a certified Scrum Master, Jack possesses a deep understanding of Agile methodologies, particularly Scrum practices. This certification highlights his skills in facilitating Scrum ceremonies, managing team dynamics, and ensuring seamless collaboration and project delivery within Agile frameworks.
- Certified AWS Solutions Architect**  
 Jan 2022  Amazon  
This certification demonstrates Jack Chen's proficiency in designing, deploying, and managing applications on the Amazon Web Services (AWS) platform. It underscores his ability to architect and implement AWS services to meet specific project requirements, ensuring efficient, scalable, and secure cloud solutions.

## Achievement Section

- Awards
- Certifications
- Title
- Date
- Brief Description

## Edit your information here!

 [BACK TO RESUME](#)

### About


Name  
Jack Chen

Job Title  
Software Engineer


Introduction  
Jack Chen graduated with a Bachelor of Science in Computer Science from the prestigious University of California, Davis. During his academic tenure, he honed his technical skills, specializing in software development and algorithm des

238 / 250

Choose File No file chosen

UPLOAD IMG 

SAVE 

Educational Background 

Professional Experience 

Skill Set 

Certification 

Award 

# Edit View

Efficiently manage and refine your professional portfolio and personal info

## Edit your information here!

 BACK TO RESUME

About ⓘ

Educational Background ⓘ

Professional Experience ⓘ

Skill Set ⓘ

Certification ⓘ

Award ⓘ

[Back to resume](#)

Go to my resume page

### Six Sections

Expand each section to start editing



## About Section

Name

Job Title

Address

Brief Introduction

# Edit your information here!

 BACK TO RESUME

## About ⓘ

Name

Jack Chen


Job Title

Software Engineer

Introduction

Strong expertise in modern programming languages and frameworks, coupled with a passion for developing efficient, user-centric software solutions. Proven ability to lead software development teams and deliver complex projects on ti

Browse... No file selected.

UPLOAD IMG 

SAVE 

Educational Background  

Professional Experience  

Skill Set  

Certification  

Award  

## Button

Choose profile image

Upload image

Save Edited Info.

# Edit your information here!

BACK TO RESUME

## About ⓘ

Name  
Jack Chen

Introduction  
Strong expertise in modern programming languages and frameworks, coupled with

Browse...

ven ability to lead software development teams and deliver complex projects on ti

SAVE

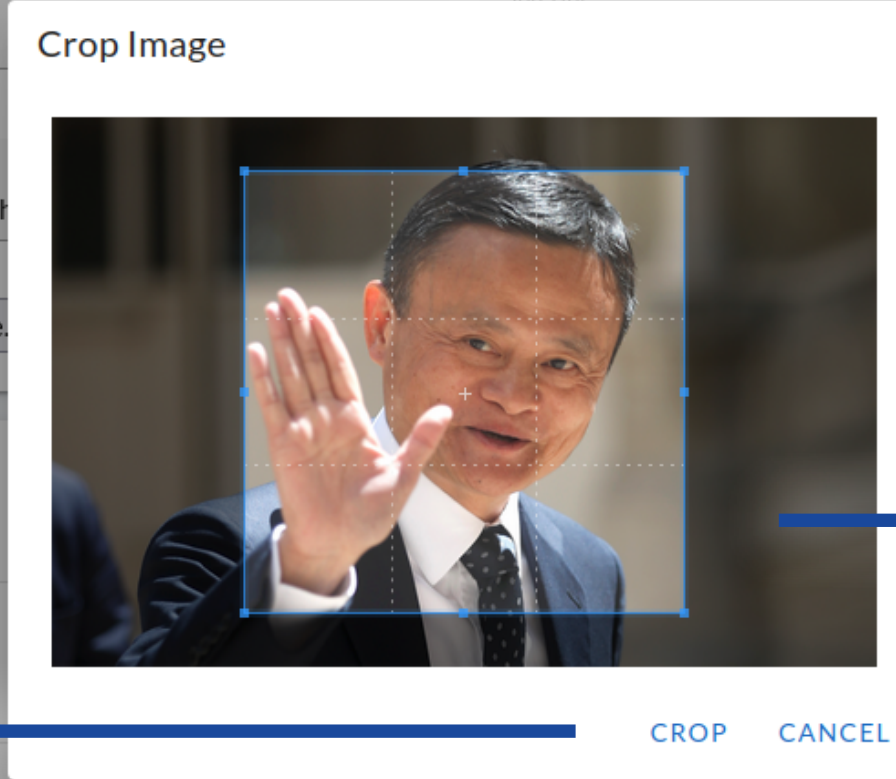
## Educational Background 🎓

## Professional Experience 📁

## Skill Set 📌

## Certification 📜

## Award 🏆



## Crop Picture


Draggable

Resizable

## Button



Confirm the cropped image

# Edit your information here!


 BACK TO RESUME

About ⓘ

## Educational Background

School	Diploma	Start Date	End Date	
University of California, Davis	Master of Science in Computer Science	2022/09	2024/06	
Description His education provided a solid foundation in both theoretical and practical aspects of computer science, preparing him for his successful career in software engineering.				
University if California, Davis	Bachelor of Science in Computer Science	2018/09	2022/06	
Description Jack Chen graduated with a Bachelor of Science in Computer Science from the prestigious University of California, Davis. During his academic tenure, he honed his technical skills, specializing in software developme				

ADD MORE +

SAVE 

Professional Experience 

Skill Set 

## Education Section

School

Diploma

Start/End Date

Brief Description

Delete

Delete unwanted info

Buttons

Add more sections

Save edited info

# Edit your information here!

BACK TO RESUME

About ⓘ

Educational Background 🎓

Professional Experience 📁

Company	Position	Start Date	End Date	
Digital Solutions LLC	Software Engineer	2018/06	2018/09	
Description Contributed to the development of a multi-platform mobile application used by 500,000+ users, focusing on backend development and database optimization. Collaborated in a cross-functional team to design and in				
Tech Innovations Inc.	Software Engineer	2022/06	2023/09	
Description Lead a team of 8 software engineers in the development of a high-traffic e-commerce platform, resulting in a 30% increase in user engagement. Spearheaded the migration of legacy systems to cloud-based architectu				

ADD MORE +

SAVE

Skill Set 📁

## Experience Section

- Company
- Position
- Start/End Date
- Brief Description


Delete

Delete unwanted experience

Button

Add more experience  
Save Edited info.

## Edit your information here!

 BACK TO RESUME

About ⓘ



Educational Background 🎓



Professional Experience 📅



Skill Set 📌



Skill

Java, Python, JavaScript, and C++

Description

Proficient in Java, Python, JavaScript, and C++. Skilled in writing clean, efficient, and maintainable code in multiple languages, adapting to various project requirements.



Skill

React

Description

Experienced in using React for front-end development, creating responsive and dynamic user interfaces. Proficient in Angular for building scalable web applications. Skilled in I



Skill

MySQL, MongoDB, and PostgreS

Description

Knowledgeable in database management and optimization with MySQL, MongoDB, and PostgreSQL. Experienced in designing robust database schemas and performing compl



ADD MORE +

SAVE 📌

Certification 📄



### Skill Section

Skill name


Brief Description

### Delete

Delete unwanted  
skill

### Button

Add more skill  
Save Edited info.

Educational Background 

Professional Experience 

Skill Set 

### Certification

Title  
Certified AWS Solutions Architect

Date  
2022/01

Company/School  
Amazon

Description  
This certification demonstrates Jack Chen's proficiency in designing, deploying, and managing applications on the Amazon Web Services (AWS) platform. It underscores his ability to architect and implement AWS ser




Title  
Professional Scrum Master (PSM I)

Date  
2022/10

Company/School  
Scrum

Description  
As a certified Scrum Master, Jack possesses a deep understanding of Agile methodologies, particularly Scrum practices. This certification highlights his skills in facilitating Scrum ceremonies, managing team dynamics



ADD MORE 

SAVE 

Award 

Delete

Delete unwanted certification

Button

Add more certification  
Save Edited Info.


## Certification Section

Title

Start/End Date

Brief Description

## Edit your information here!

 BACK TO RESUME

About ⓘ



Educational Background 🎓



Professional Experience 📄



Skill Set 📌



Certification 📜



Award 🏆



Title

OpenSource Contributions

Date

2019/01

Company/School

Apache

Description

Contributed to several open-source projects, including enhancements to Apache Kafka.



ADD MORE +

SAVE 📌

### Award Section

Title

Start/End Date

Brief Description

### Button

Delete unwanted award

Add more award

Save Edited Info.



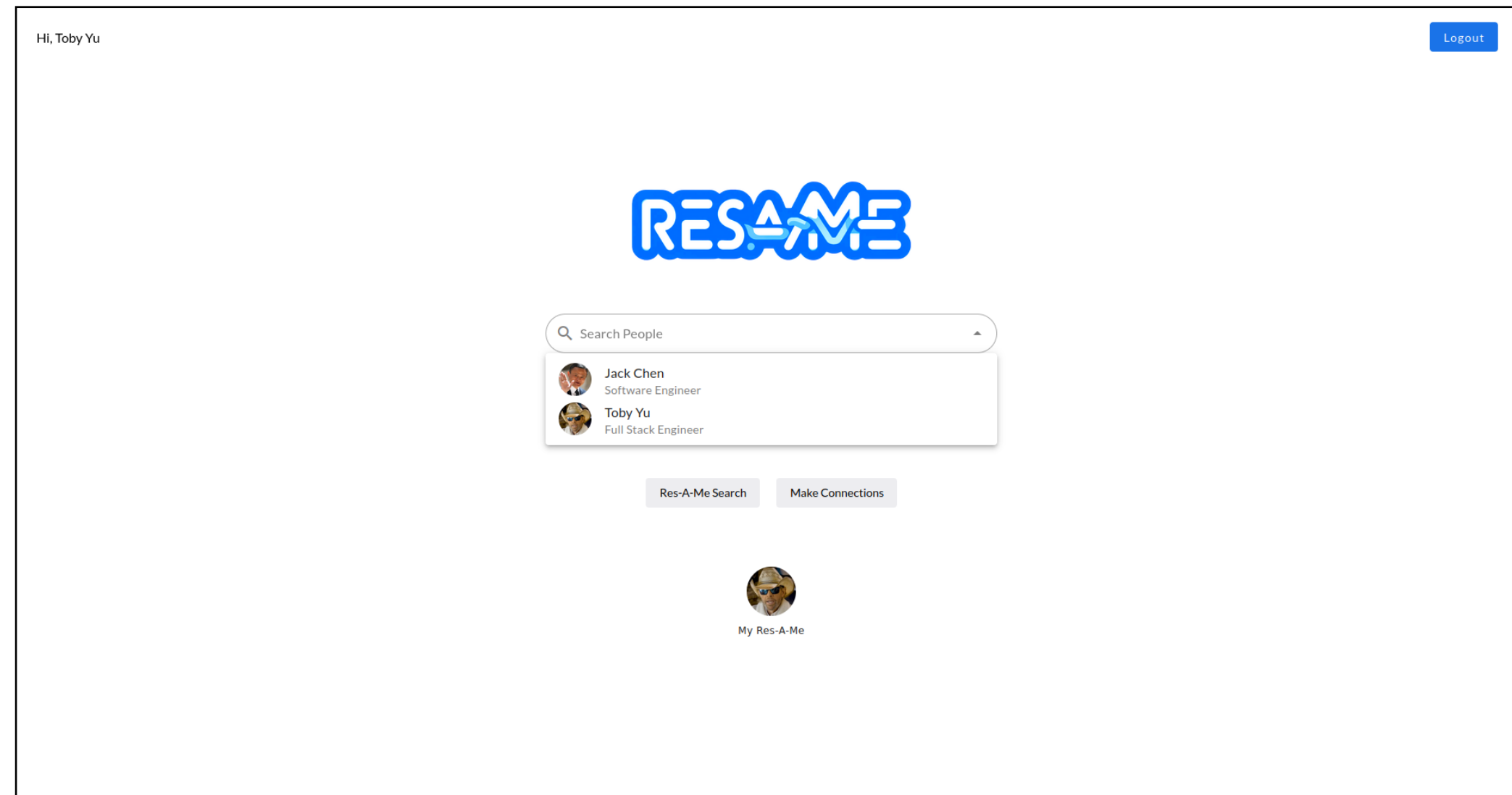
04

**ResilientDB**



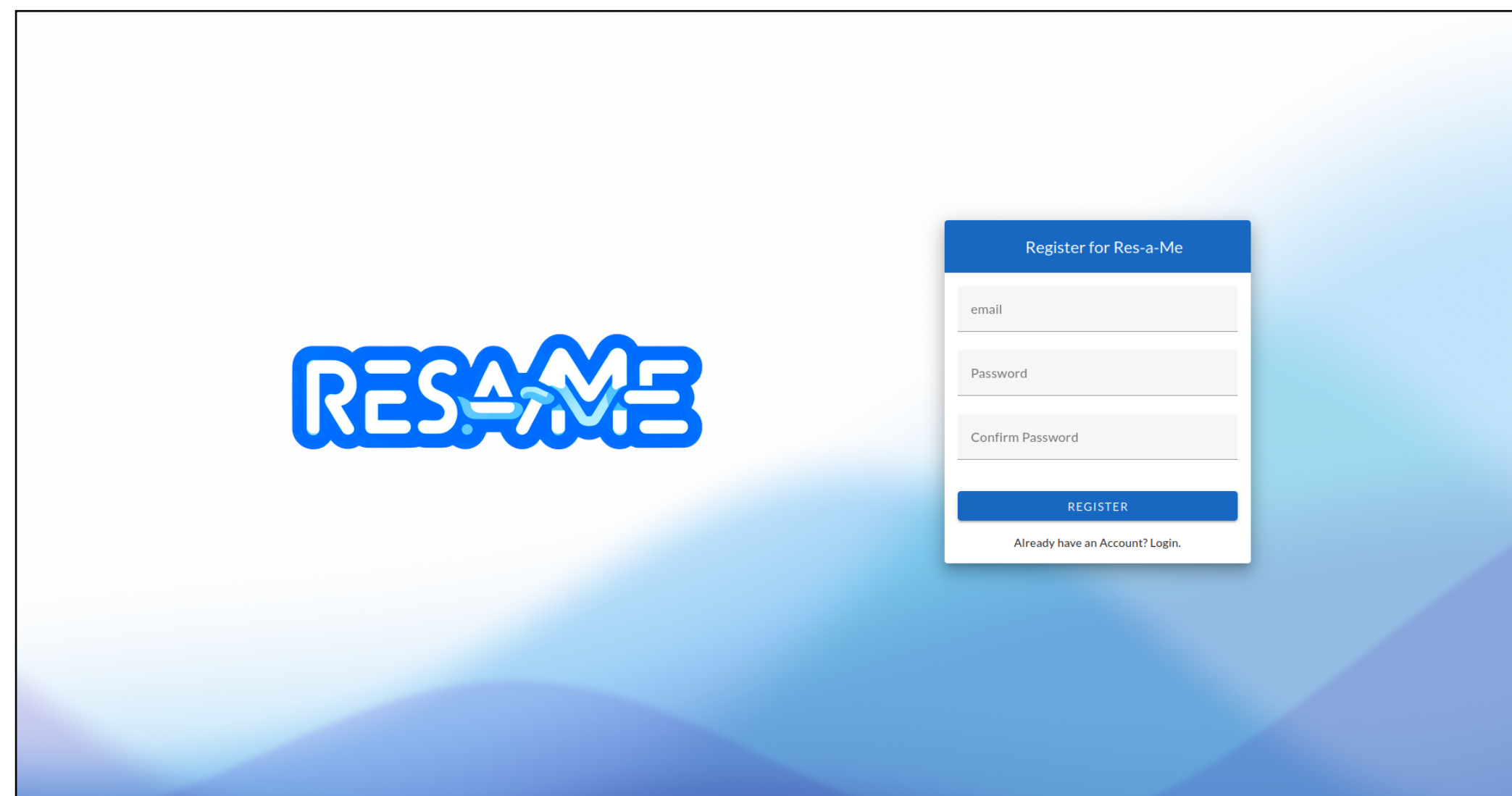


# How Do We Utilize ResilientDB?



## Search View

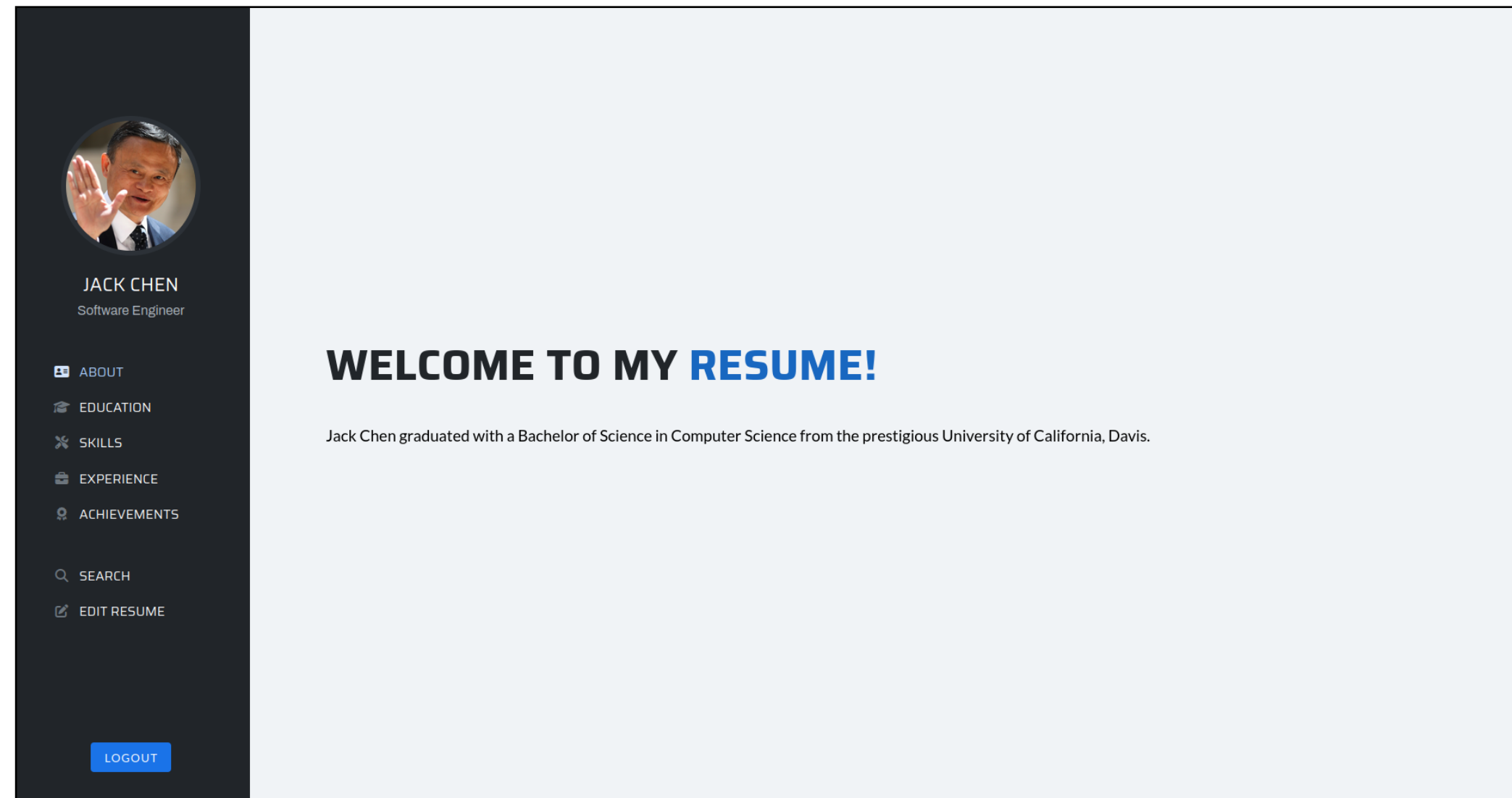
- Get the data of the chosen user with **GET** method
- Metadata: user list



## Register View

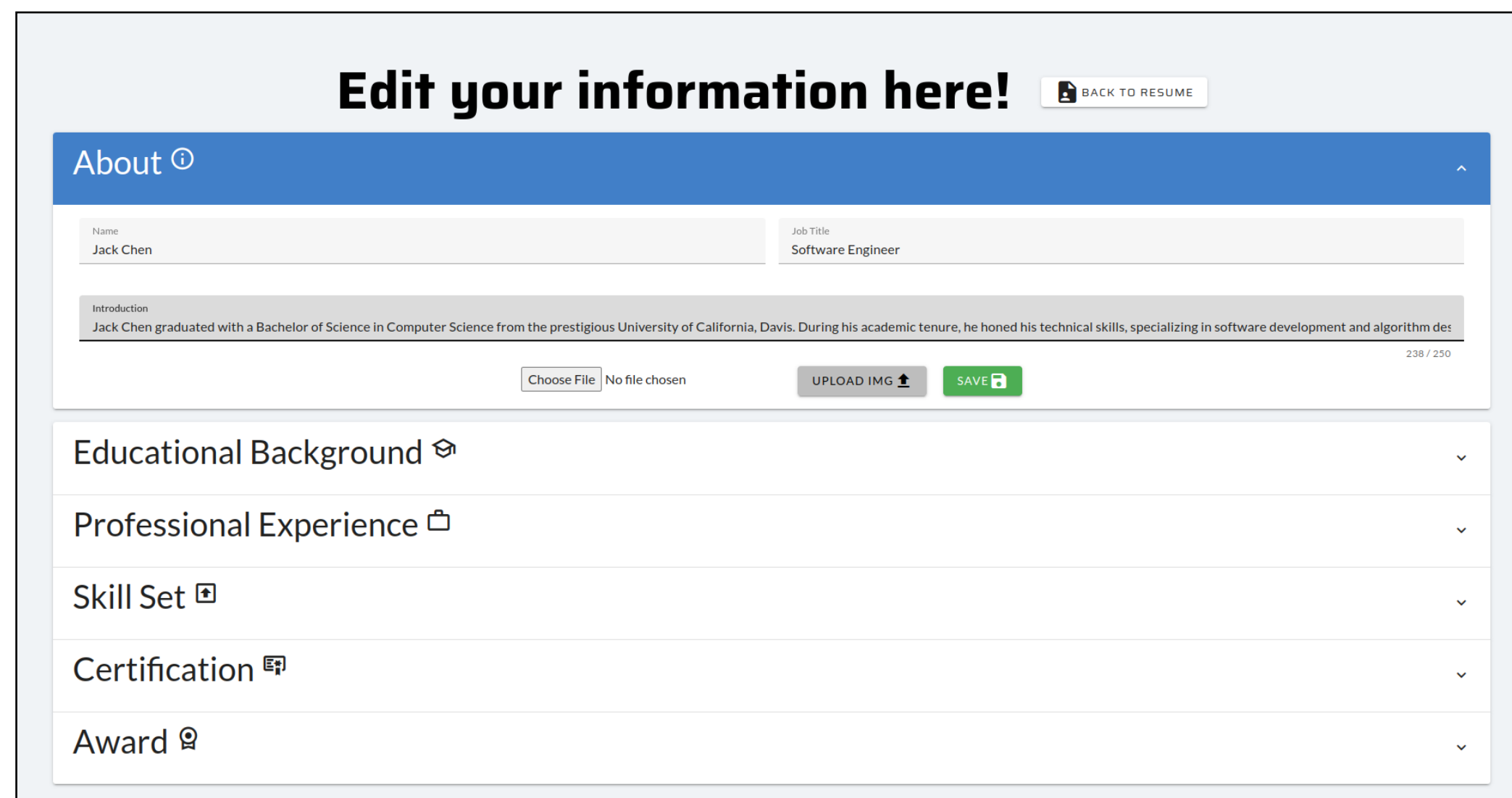
- Create a user with **CREATE** method
- Metadata: template for new user

# How Do We Utilize ResilientDB?



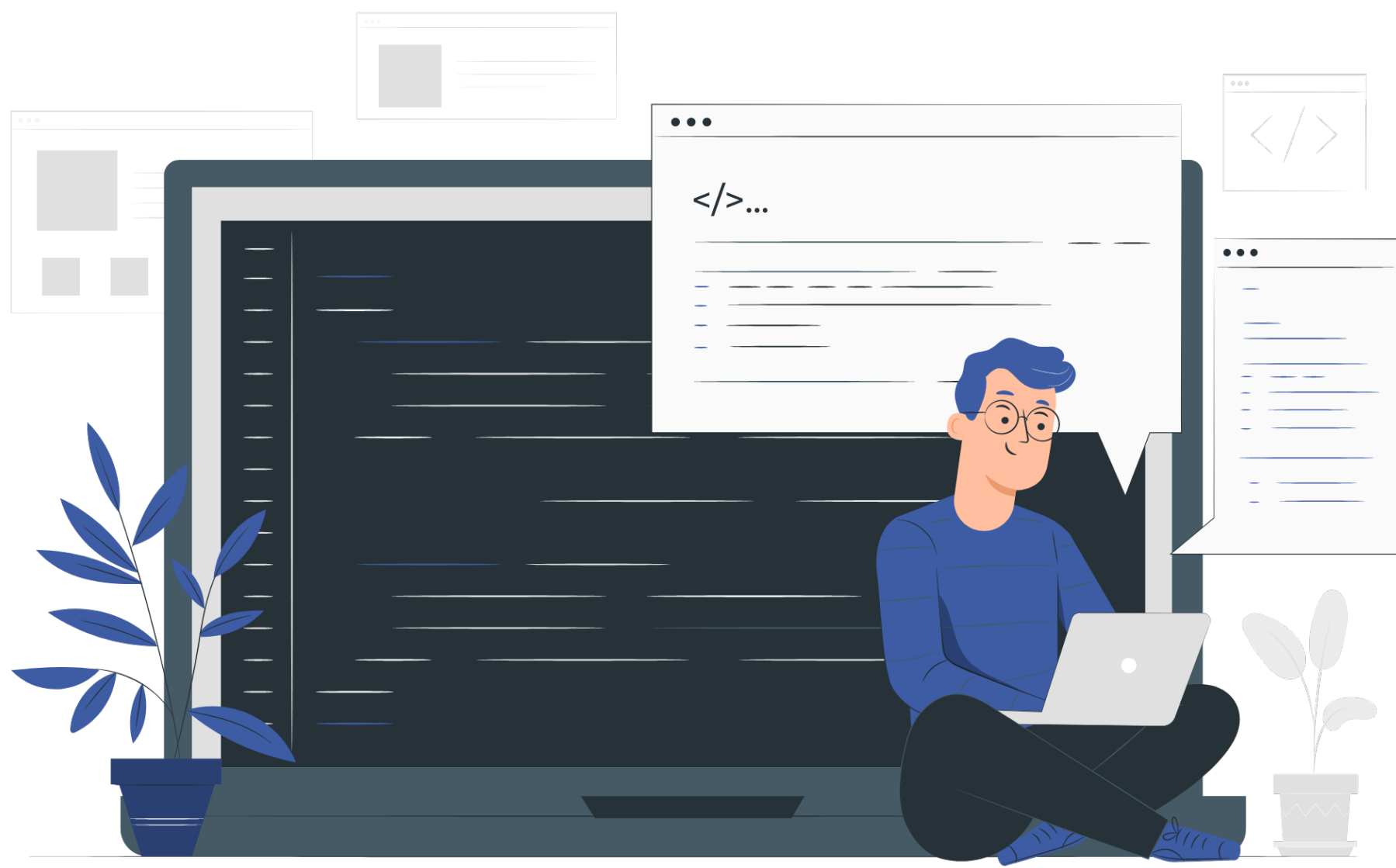
## Resume View

- Get user's profile with **GET** method
- Metadata: user resume



## Edit View

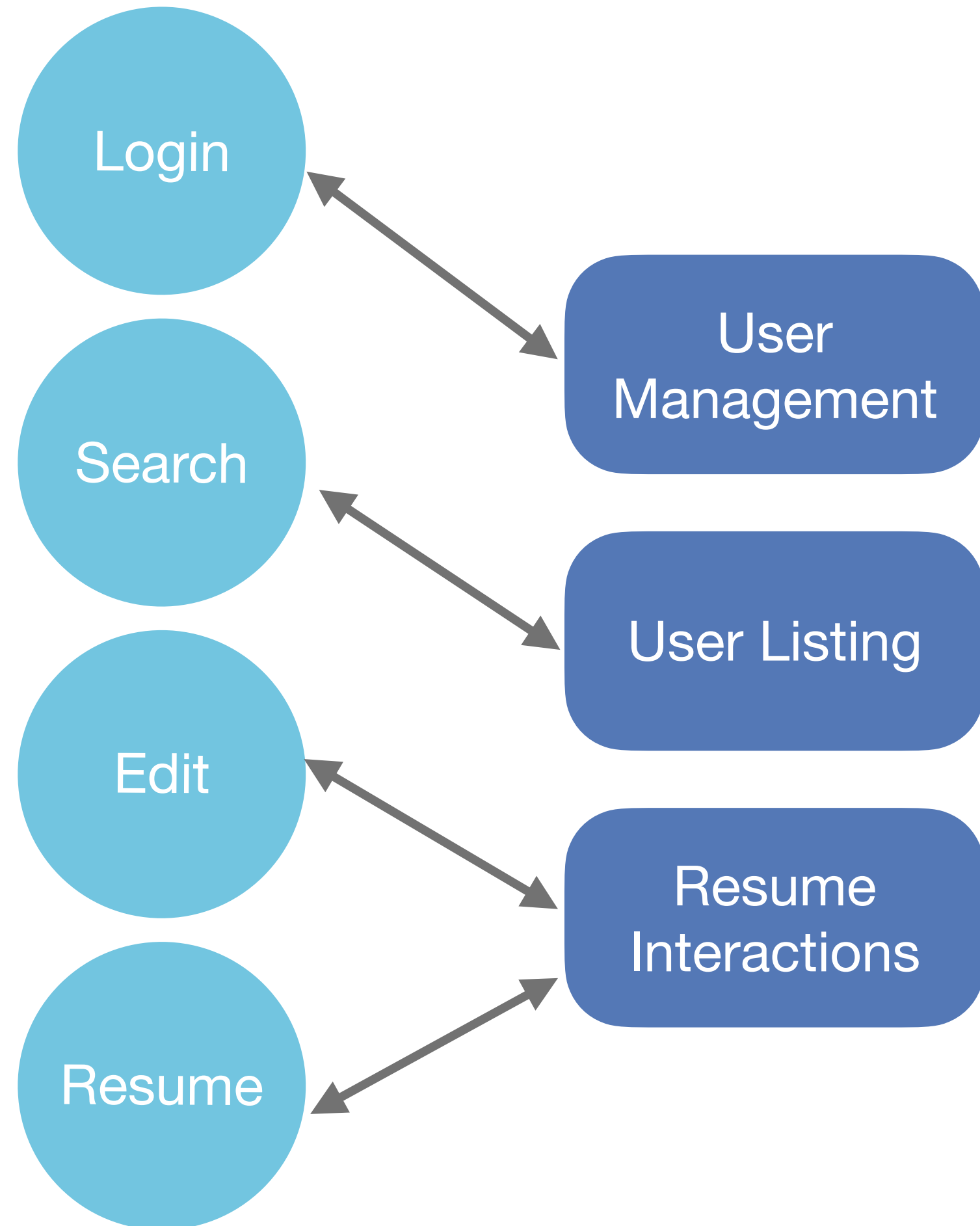
- Get user's profile with **GET** method
- Metadata: user resume
- Modify a user's info with **TRANSFER** method
- Metadata: existing resume -> modified resume



05

**Backend**

# API Design



	API Purpose	Description
<b>User Management</b>	Register	Register a new user and create a token on resilientDB
	Login	Check if the email and the password is valid
	Refresh	Return new access token and refresh token if it is still valid
	Logout	Log out the currently authenticated user
<b>User Listing</b>	UserList	Send the list of existing user in the system
<b>Resume Interactions</b>	LoadResume	Retrieve the resume data for the authenticated user
	EditResume	Update the metadata of the user's token according to the category
	UpdateResume	Retrieve the resume data for any user that is chosen
	Upload	Upload the image for personal photo

# Backend Services

**Resilientdb**

Create replicas  
and kv service

**Res-A-Me**

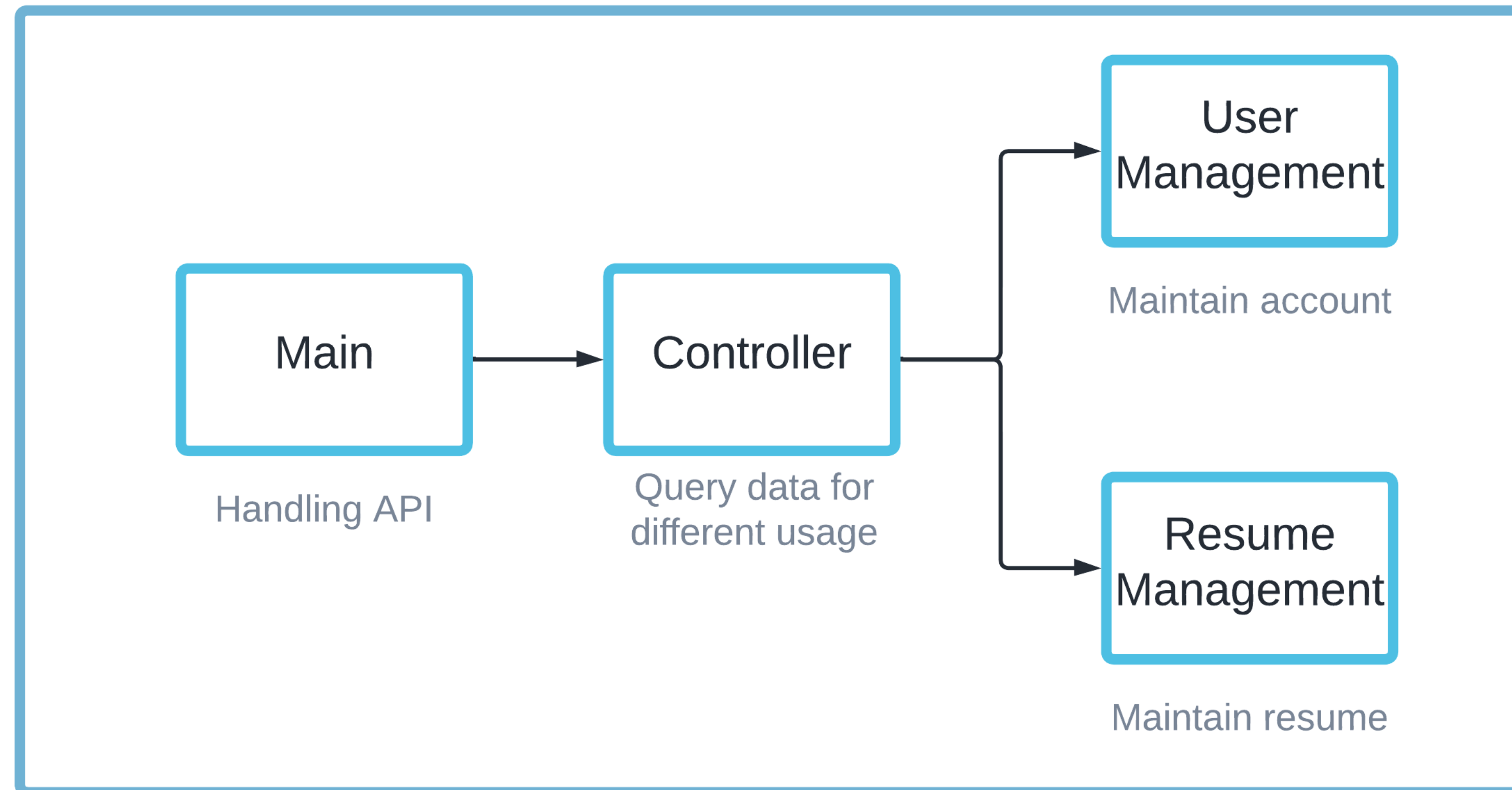
Handling API  
service

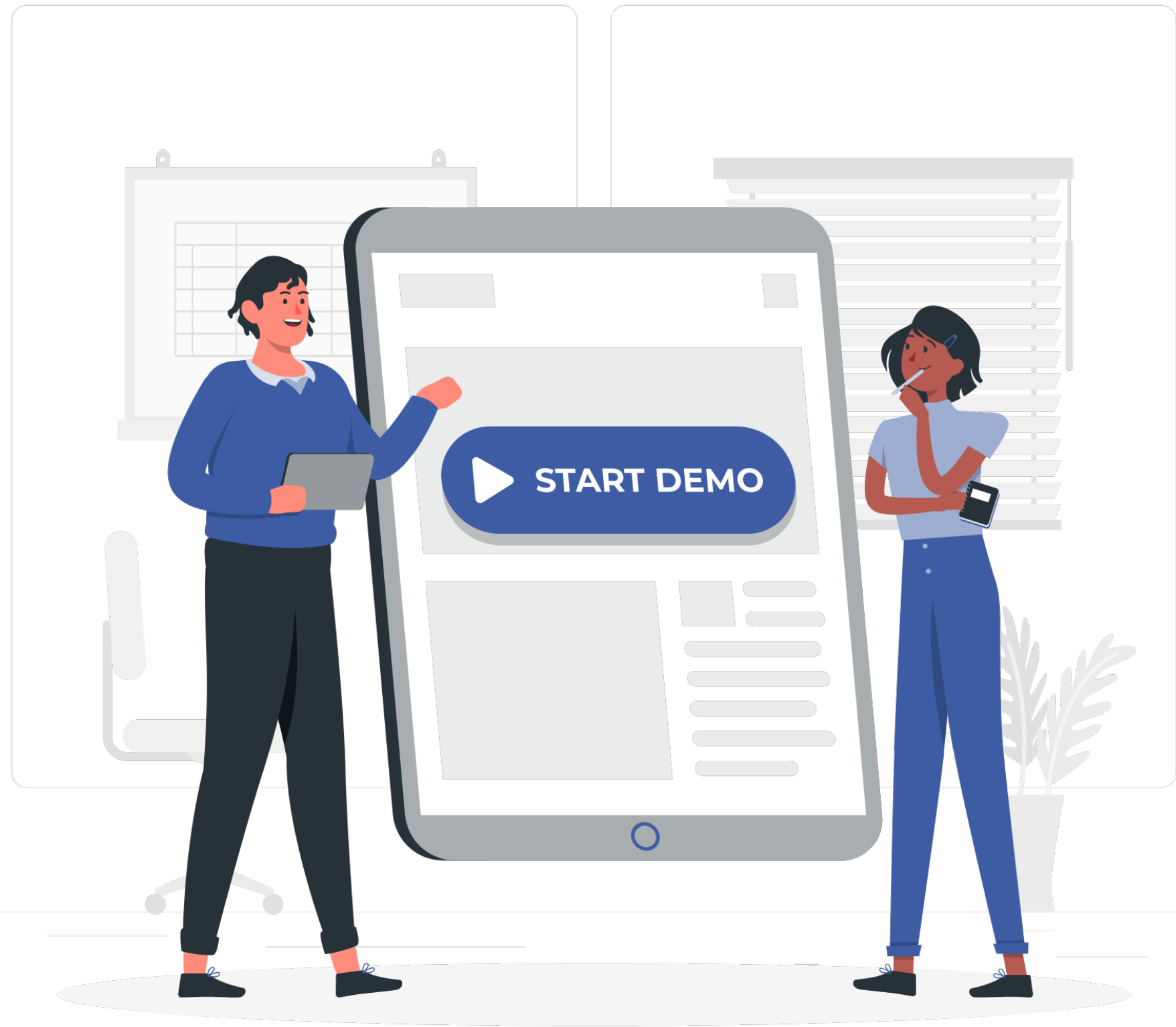
**ResilientDB\_GraphQL**

Create HTTP  
service

# Backend Structure

## Res-A-Me





06

Live Demo





**Thanks**