**RESUME BUILDER**

**Project Overview**

* **Purpose**: The main objectives of the Resume Builder application, such as helping users create, edit, and manage resumes efficiently.
* **Features**: Highlights the key features like user profile management, data storage, and resume export options.

**Technologies Used**

* **Frontend**: HTML, CSS, JavaScript, React
* **Backend**: Node.js, Express
* **Database**: MySQL
* **Libraries/Frameworks**: Material UI, React-Bootstrap

**DATABASE TABLES**

**1)Users: -**

This table stores information about the users of the platform.

CREATE TABLE Users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL UNIQUE,

email VARCHAR(100) NOT NULL UNIQUE,

password\_hash VARCHAR(255) NOT NULL,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

profile\_picture VARCHAR(255),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

);

**2) Resumes: -**

This table represents the overall resume that a user can create. A user can have multiple resumes.

CREATE TABLE Resumes (

resume\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

title VARCHAR(100) NOT NULL,

summary TEXT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES Users(user\_id) ON DELETE CASCADE

);

**3) Education: -**

This table stores education details of the user, which are linked to their resumes.

CREATE TABLE Education (

education\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

institution\_name VARCHAR(100) NOT NULL,

degree VARCHAR(50),

field\_of\_study VARCHAR(50),

start\_date DATE,

end\_date DATE,

description TEXT,

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);  
  
**4) Work Experience: -**

This table stores information about the user's work experience.

CREATE TABLE WorkExperience (

experience\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

company\_name VARCHAR(100) NOT NULL,

job\_title VARCHAR(50),

location VARCHAR(100),

start\_date DATE,

end\_date DATE,

description TEXT,

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);

5) **Skills: -**

This table holds the skills listed on a user's resume.

CREATE TABLE Skills (

skill\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

skill\_name VARCHAR(50) NOT NULL,

proficiency\_level VARCHAR(50), -- Beginner, Intermediate, Advanced, Expert

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);

6) **Projects: -**

This table stores information about any projects the user wants to include on their resume.

CREATE TABLE Projects (

project\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

project\_title VARCHAR(100) NOT NULL,

description TEXT,

start\_date DATE,

end\_date DATE,

technologies\_used VARCHAR(255),

project\_url VARCHAR(255),

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);

**7)** **Certifications:-**

This table holds information about certifications that the user has earned.

CREATE TABLE Certifications (

certification\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

certification\_name VARCHAR(100) NOT NULL,

issuing\_organization VARCHAR(100),

issue\_date DATE,

expiration\_date DATE,

certificate\_url VARCHAR(255),

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);  
  
  
**8) Languages: -**

This table stores languages that the user knows.

CREATE TABLE Languages (

language\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

language\_name VARCHAR(50) NOT NULL,

proficiency\_level VARCHAR(50), -- Beginner, Intermediate, Advanced, Fluent, Native

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);

**9) References:-**

This table holds reference information that the user might want to include.

CREATE TABLE References (

reference\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

reference\_name VARCHAR(100) NOT NULL,

relationship VARCHAR(50),

company VARCHAR(100),

contact\_information VARCHAR(255),

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);

**10) Contact Information: -**

This table can be used to store contact information for the user on the resume.

CREATE TABLE ContactInformation (

contact\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

phone\_number VARCHAR(20),

email\_address VARCHAR(100),

address\_line1 VARCHAR(100),

address\_line2 VARCHAR(100),

city VARCHAR(50),

state VARCHAR(50),

postal\_code VARCHAR(20),

country VARCHAR(50),

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);

**11. Custom Sections: -**

This table can be used for any custom sections that a user might want to add to their resume.

CREATE TABLE CustomSections (

section\_id INT AUTO\_INCREMENT PRIMARY KEY,

resume\_id INT,

section\_title VARCHAR(100) NOT NULL,

section\_content TEXT,

FOREIGN KEY (resume\_id) REFERENCES Resumes(resume\_id) ON DELETE CASCADE

);

**3. Workflow Diagrams**

 **User Registration & Login**

* **Start**
  + User visits the site and chooses to register or log in.
* **Register**
  + User fills out the registration form.
  + System validates and creates a new user account.
  + User receives a verification email.
  + User verifies the email.
  + Account activation successful.
* **Login**
  + User enters login credentials.
  + System authenticates the user.
  + User gains access to the dashboard.

 **Dashboard**

* **Select Action**
  + User can create a new resume, edit an existing resume, or view past resumes.

 **Create Resume**

* **Enter Details**
  + User fills in personal information, work experience, education, and other relevant sections.
* **Preview Resume**
  + System generates a preview of the resume.
* **Save or Edit**
  + User can save the resume or make further edits.

 **Edit Resume**

* **Select Resume**
  + User selects an existing resume to edit.
* **Update Details**
  + User updates personal information, work experience, or education.
* **Preview Resume**
  + System generates a preview of the updated resume.
* **Save Changes**
  + User saves the updated resume.

 **Export or Share Resume**

* **Generate File/Link**
  + System formats the resume and generates the file or shareable link.
* **Download or Share**
  + User downloads the file or shares the link with others.

 **Logout**

* **Logout Process**
  + User logs out from the application.
  + System ends the user session.