

JobFinder

JAN 25TH, 2022

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Click to add text





High Level View – Job Search Website

Search
catalog

Security

File Storage
(e.g. resumes)

Favourite
jobs/wishlist

Email
notifications

Company
reviews

Search Catalog – Solution Overview

JobFinder Login Registration

Search here for a job... Province Type Category Find jobs Reset

Total Jobs Found: 14

React Developer

iTech
\$80,000 per year
Business
Part-Time
Toronto, ON
Posted: Jan 22nd 2022
Expires: Jan 27th 2022
Description: Progra...
View Details

Cake Baker

Bakery
\$45,000 per year
Art
Full-Time
Montreal, QC
Posted: Jan 22nd 2022
Expires: Jan 29th 2022
Description: Bakery Job
...
View Details

Tester

Test
\$50,000 per year
IT
Part-Time
Montreal, QC
Posted: Jan 22nd 2022
Expires: Feb 5th 2022
Description: test test...
Apply
View Details

Employee

Cake Province Full-Time Art Find jobs Reset

Total Jobs Found: 1

Cake Baker

Bakery
\$45,000 per year
Art
Full-Time
Montreal, QC
Posted: Jan 22nd 2022
Expires: Jan 29th 2022
Description: Bakery Job
...
View Details

Search here for a job... ON Full-Time Art Find jobs Reset

Total Jobs Found: 0

1 2 3 4 5 6 7 Next

Employee – Solution Overview

JobFinder [Dashboard](#) [My Wishlist](#) [Account](#) Welcome, employee2 [Logout](#)

Cake Baker

Bakery

\$45,000 per year

Art

Full-Time

Montreal, QC

Posted: Jan 22nd 2022

Expires: Jan 29th 2022

Description:

Bakery Job



Apply

View Details

My Job Application History

Job Title	Company	Salary	Category	Type	Education	Years of Experience	Date Applied	Expiry Date	Views	Actions
React Developer	iTech	\$80,000	Business	Part-Time	High School	0-2	Jan 24th 2022	Jan 27th 2022	View Resume	Remove Application Update Application
Chemist	Pfizer	\$55,000	Engineering	Full-Time	High School	0-2	Jan 24th 2022	Jan 28th 2022	View Resume	Remove Application Update Application

My WishList

Job Title	Company	Salary	Category	Type	City	Province	Applied	View	Remove
Junior Developer	Apple	\$70,000	IT	Contract	Montreal	QC	Apply	View	Remove
Chemist	Pfizer	\$55,000	Engineering	Full-Time	Montreal	QC	✓	View	Remove
React Developer	iTech	\$80,000	Business	Part-Time	Toronto	ON	✓	View	Remove

Update Your Personal Info

Email	Name	Role	Province	City	Actions
employee2@jobfinder.com	employee2	Employee	QC	Montreal	Update Your Info

Employer – Solution Overview

Employer Dashboard

Your current job postings

Job Title	Company	Salary	Category	Type	Description	Expiry Date	# of Applications	Views	Actions
Cake Baker	Bakery	\$45,000	Art	Full-Time	Bakery Job ...	Jan 29th 2022	0	View job Details	Delete Job
								View Applications	Update Job
Tester	Test	\$50,000	IT	Full-Time	test test...	Feb 5th 2022	0	View job Details	Delete Job
								View Applications	Update Job

1 2 [Next](#)

Applications for Cake Baker

Name	Email	Years of Experience	Education	Date Applied	Resume
employee2	employee2@jobfinder.com	0-2	High School	Jan 24th 2022	View Resume
NIKI	niki@niki.com	0-2	High School	Jan 24th 2022	View Resume

Update Your Personal Info

Email	Name	Role	Province	City	Actions
pam@pam.com	pam beasley	Employer	QC	Ottawa	Update Your Info

Create A Job

Step 2 of 3

Province:

City:

Expiry Date:

[Next Step](#)

Cake Baker

Bakery

\$45,000

Art

Full-Time

Montreal, QC

Posted: Jan 22nd 2022

Expires: Jan 29th 2022

Description:

Bakery Job

blob:https://gracious-villani-f44d4b.netlify.app/625dca7f-afd2-...

CV. BJN 2 / 2 93%

Education

Bachelor of Information Technology Engineering, Iran 2012
Evaluated by WES as Bachelor of Science in Information Technology Engineering

Master of Business Administration, Iran 2016
Evaluated by WES as Master of Science in Information Technology Engineering

Language

English: Fluent
IELTS Score: Overall : 8 (Listening: 8.5 Reading: 9 Speaking: 7.5 Writing: 7)
Persian: Native
French: Learning (Basic)

Admin – Solution Overview

Manage Jobs

Add a new Job

Title	Company	Salary	Category	Type	Province	City	Description	Expiry Date	# of Applications	Views	Actions
React Developer	iTech	\$80,000	Business	Part-Time	ON	Toronto	Progra...	Jan 27th 2022	4	View Details View Applications	Delete Job Update Job
Cake Baker	Bakery	\$45,000	Art	Full-Time	QC	Montreal	Bakery Job ...	Jan 29th 2022	2	View Details View Applications	Delete Job Update Job

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [Next](#)

Manage Users

Add a User

Email	Name	Role	Province	City	Actions
admin@admin.com	Admin	Admin	ON	Montreal	Delete User Update User
jim@jim.com	Jim Smith	Employee	QC	Montreal	Delete User Update User

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [Next](#)

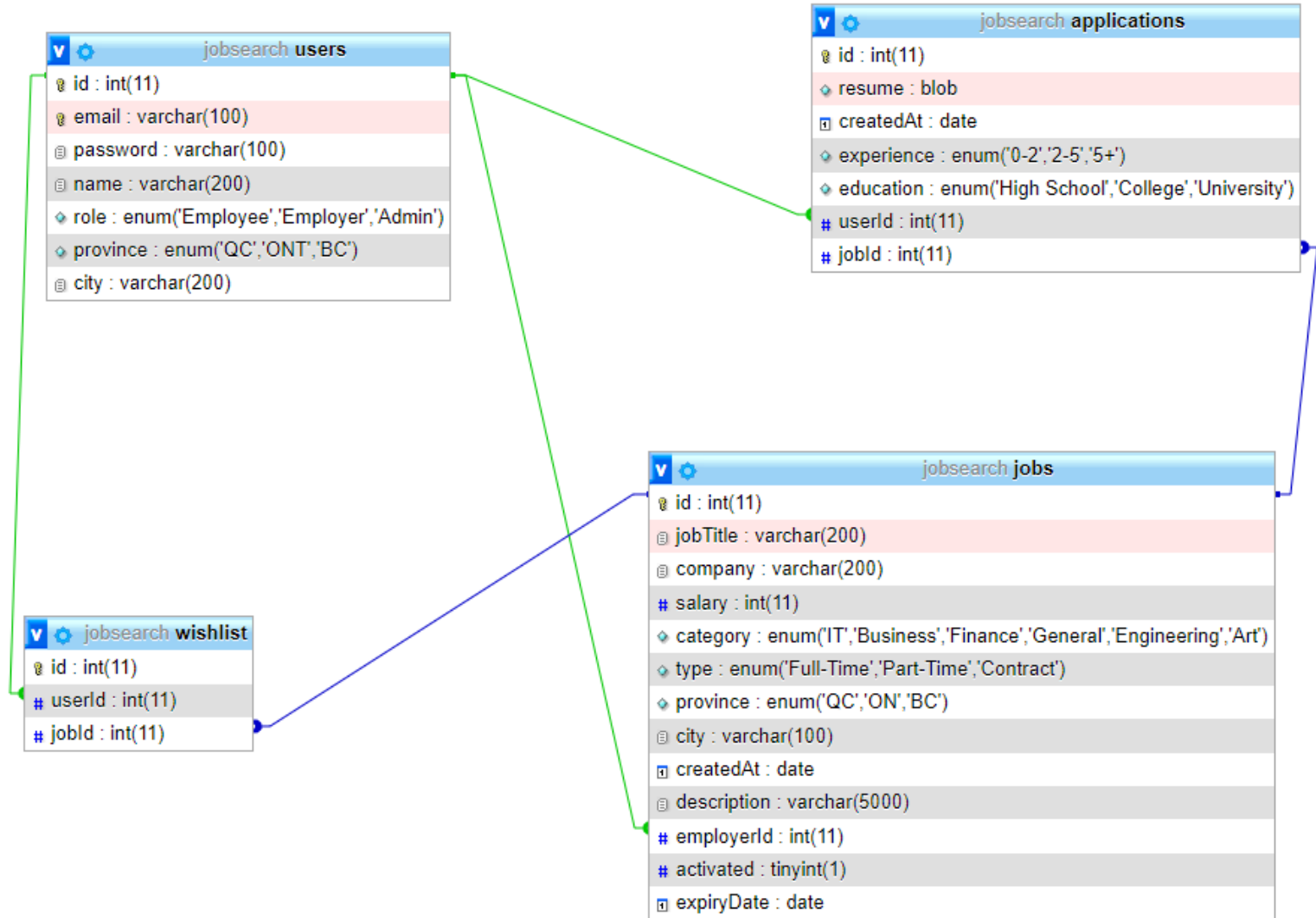
Applications for React Developer

Name	Email	Years of Experience	Education	Date Applied	Resume
Jim Smith	jim@jim.com	2-5	High School	Jan 23rd 2022	View Resume
negar	negar@negar.com	0-2	High School	Jan 23rd 2022	View Resume
kimberly	kim@kim.com	2-5	High School	Jan 24th 2022	View Resume
employee2	employee2@jobfinder.com	0-2	High School	Jan 24th 2022	View Resume

Update Your Personal Info

Email	Name	Role	Province	City	Actions
admin@admin.com	Admin	Admin	ON	Montreal	Update Your Info

Database





Challenges & Solutions

- MySQL Workbench connection to ClearDB

- Solution:

System preference -> mySQL -> initialize database -> start MySQL server -> Restart computer

Re:start

Lost all my previous
database!

Challenges & Solutions

- Defining Different Roles

```
const authPage = (Permissions) => {  
  return(req, res, next) => {  
    const accessToken = req.header("accessToken");  
    const userRole = jwt.decode(accessToken).role;  
    if(Permissions.includes(userRole)){  
      next();  
    }  
  }  
}
```

```
router.put("/remove/:jobId([0-9]+)", validateToken, authPage(["Employer","Admin"]),
```

Challenges & Solutions

- Deployment of front-end (Netlify)

```
6:47:21 PM: <--- JS stacktrace --->
```

```
6:47:21 PM: FATAL ERROR: Ineffective mark-compacts near heap limit Allocation failed - JavaScript heap out of memory
```

- Solution:

```
"start": "react-scripts --max_old_space_size=4096 start",  
"build": "react-scripts --max_old_space_size=4096 build",
```

Put in **.env** file:

```
GENERATE_SOURCEMAP=false
```

Challenges & Solutions

- Deployment of front-end (Netlify)

- Solution:

create a `public/_redirects` file with the following rewrite rules:

```
/* /index.html 200
```

Page Not Found

Looks like you've followed a broken link or entered a URL that doesn't exist on this site.

[← Back to our site](#)

Challenges & Solutions

- Redirecting after Logout in App.js

✖ Uncaught Error: useNavigate() may be used only in the context of a <Router> component.

```
function App() {  
  return (  
    <div className="App">  
      <Router>
```

- Solution:
 - Add <Router> to index.js

```
ReactDOM.render(  
  <React.StrictMode>  
    <Router>  
      <App />  
    </Router>  
  </React.StrictMode>,  
  document.getElementById('root')  
>;
```

Challenges & Solutions

- Displaying existing values in forms
- Problem: Not getting values on update form
- Solution: get values from a helper page

```
import UpdateJob from './UpdateJob';
```

```
function UpdateJobHelper() {
```

```
  return data ? <UpdateJob preloadedValues={data}/> : <div>Loading...</div>
```

```
function UpdateJob({preloadedValues}) {
```

```
  const {register, handleSubmit, formState: {errors, isValid} } = useForm({  
    mode:"all",  
    defaultValues: preloadedValues,  
  });
```

Challenges & Solutions

- Not getting Rich Text Editor value on update









```
const [ckDescription, setCKDescription] = useState(preloadedValues.description);
```

```
<CKEditor data={ckDescription} editor={ClassicEditor}>
```

Modify Job Information

Step 3 of 3

Paragraph

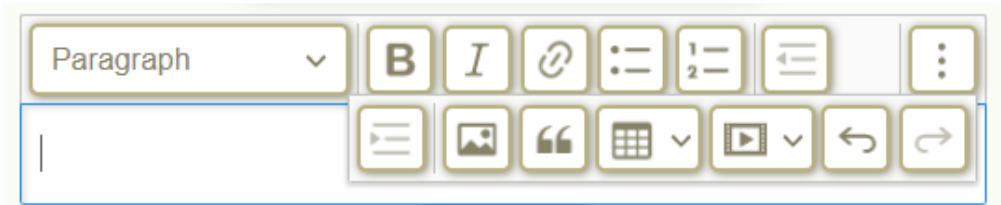
B *I* @        

Phasellus odio enim, interdum vitae facilisis sed, mollis convallis ante. Nullam condimentum turpis non diam fermentum pellentesque. Fusce eget faucibus risus, ut dapibus diam. In hac habitasse platea dictumst.

Submit

Challenges & Solutions

- Customizing Rich Text Editor (CKEditor)



- Solution:

```
<CKEditor editor={ClassicEditor} onReady={editor=> {}} config={{removePlugins: ["EasyImage","ImageUpload","MediaEmbed"]}}>
```



Challenges & Solutions

- Displaying a substring with rich text
- Solution:

```
import parse from 'html-react-parser';
```

```
function smart_substr(str, len) {  
  var temp = str.substr(0, len);  
  if(temp.lastIndexOf('<') > temp.lastIndexOf('>')) {  
    temp = str.substr(0, 1 + str.indexOf('>', temp.lastIndexOf('<')));  
  }  
  return temp;  
}
```

answered Apr 17 '15 at 12:45



Kerstomaat

673 ● 4 ● 13

```
<div className="card-text"><strong>Description:</strong> {parse(smart_substr(value.description, 20))}</div>
```

Nurse

Hospital

\$85,000 per year

General

Full-Time

Montreal, QC

Posted: Jan 22nd 2022

Expires: Feb 3rd 2022

Description:

Urgent!!!...

[View Details](#)


Challenges & Solutions

- Email : NodeMailer

```
var nodemailer = require('nodemailer');
```



Your app passwords

Name	Created	Last used	
JobFinder	Jan 20	9:58 AM	

Sending Email using Node.js Inbox x



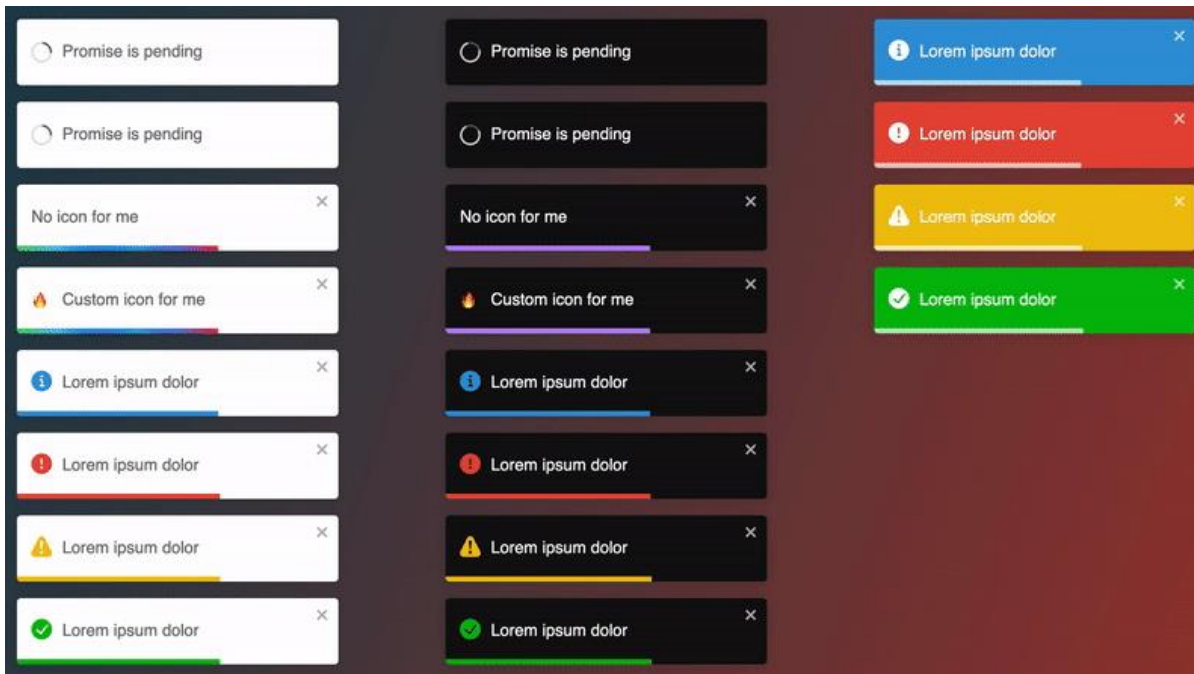
bookbarn.fsd01@gmail.com

to me ▾

We have received your job application!

What We Learned

- Flash Messages: React-Toastify



```
import { toast } from 'react-toastify';
```

```
<ToastContainer />
```

```
const successAlert = () => {  
  toast("Job added to your Wishlist!", {  
    position: "top-right",  
    autoClose: 2000,  
    hideProgressBar: false,  
    closeOnClick: true,  
    pauseOnHover: false,  
    draggable: true,  
    progress: undefined,  
  });  
};
```

Job added to your Wishlist!

What We Learned

- File upload to database
- Front End: FormData

```
const onSubmit = (data) => {  
  
  const formData = new FormData();  
  formData.append("resume", data.resume[0]);  
  formData.append("experience", data.experience);  
  formData.append("education", data.education);  
  
  axios.post(`https://jobfinder-fsd01.herokuapp.com/applications/${jobId}`, formData, {
```

What We Learned

- File upload to database
- Back End: express-fileupload

- In your express server request, you can access your uploaded file from `req.files.foo` :

The `req.files.foo` object will contain the following:

- `req.files.foo.name` : "car.jpg"
- `req.files.foo.mv` : A function to move the file elsewhere on your server. Can take a callback or return a promise.
- `req.files.foo.mimetype` : The mimetype of your file
- `req.files.foo.data` : A buffer representation of your file, returns empty buffer in case useTempFiles option was set to true.
- `req.files.foo.tempFilePath` : A path to the temporary file in case useTempFiles option was set to true.
- `req.files.foo.truncated` : A boolean that represents if the file is over the size limit
- `req.files.foo.size` : Uploaded size in bytes
- `req.files.foo.md5` : MD5 checksum of the uploaded file

```
const fileUpload = require('express-fileupload');
```

```
//initialize middleware  
router.use(fileUpload());
```

```
if(req.files.resume.size > 1024 * 1024 ) {  
    return res.json({error: "Max file size is 1MB"});  
};
```

```
var insertdata = {};  
insertdata["resume"] = req.files.resume.data
```

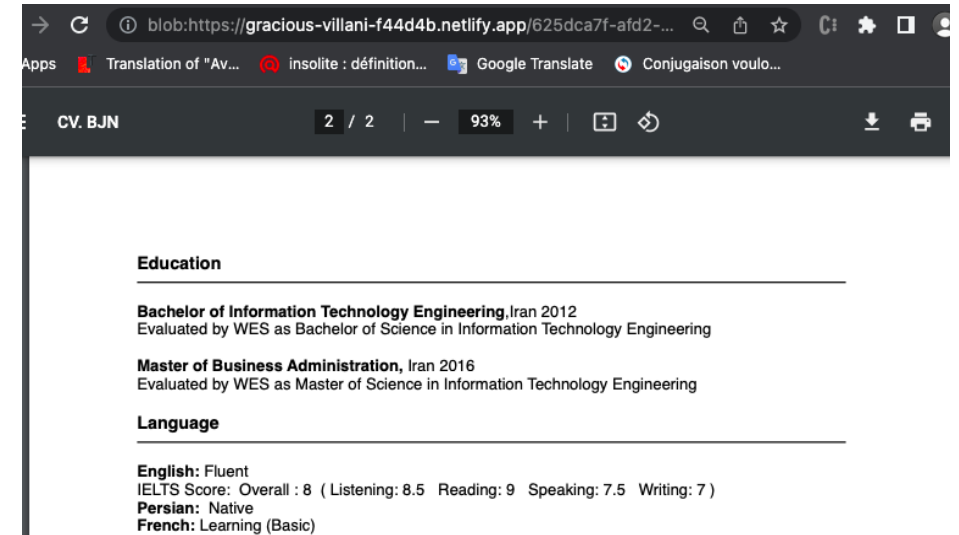
```
await Applications.create(insertdata);
```

What We Learned

- Displaying PDFs

```
res.send(application.resume);
```

```
const viewResume = (id) => {  
  axios(`https://jobfinder-fsd01.herokuapp.com/applications/${id}`, {  
    method: 'GET',  
    responseType: 'blob' //Force to receive data in a Blob Format  
  })  
  .then(response => {  
    //Create a Blob from the PDF Stream  
    const file = new Blob(  
      [response.data],  
      {type: 'application/pdf'});  
    //Build a URL from the file  
    const fileURL = URL.createObjectURL(file);  
    //Open the URL on new Window  
    window.open(fileURL);  
  })  
  .catch(error => {  
    console.log(error);  
  });  
}
```



Future Work

- Add application favourites/wishlist for employers
- Add anonymous company ratings and reviews
- Add sorting
- Unit testing
- Using S3 for storing resumes

Summary

- Accomplished many of the goals in our proposal
- Successfully combined different technologies
- Created a functional job search app