Hacker Trees - [Link](https://htrees.netlify.app/) (registration required)

Description

This was the third project for the General Assembly Software Engineering Immersive course, our group built a complex MERN stack application aimed at developers looking for jobs in the industry.

**Getting started**

1. Download source code via the 'Clone or download' button in GitHub
2. In the CLI navigate to the root of the Project3\_Back, then run npm i  to install dependencies for the backend
3. In CLI, open a new tab, and navigate to the root of Project3\_Front and run npm i to install dependencies for the frontend
4. Finally, run command npm start in both tabs to run the program in your local environment

**Timeframe & Working Team**

* Timeframe – 2 weeks
* Working Team
  + Dimitar Vidolov
  + Cody Shan

Brief

* Build a full-stack application
* Use an Express API with a Mongo database
* Consume your API with a separate front-end built with React
* Include CRUD functionality
* Utilise wireframes so that you know which features are core MVP and which features are stretch goals
* Have a visually impressive design
* Deploy project online

Technologies used

* Node.js
* Express
* MongoDB
* Mongoose
* JavaScript
* React.js
* JWT
* Bcrypt
* Axios
* GitHub
* Bulma CSS Framework

Planning

After we were given the brief, we discussed different ideas within the team and decided on a job search website for developers.

We then considered what functionality we wanted to have in our app. We broke down all the different tasks that would need to be achieved for us to reach our goal and put them in Jira. We split the tasks into different sprints, starting with our technical setup and MVP goals.

A picture containing application

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Jira helped us keep on top of what was outstanding and allowed us to successfully delegate out work for each of the team members.

I was assigned all components related with jobs, including, the job index, create/edit job and individual job pages. I also created modals throughout the site, added login and registration validation and the contact page.

Table

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We then created wireframes for our sections.

Graphical user interface

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Build Code Process

Website Overview

The homepage where a user can either login or register

Graphical user interface, application, website

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Once you log in you get access to the rest of the site



If you want to create a new account, you get a popup

Graphical user interface, text, application

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The Job Index page shows all available jobs on the site, users can search for jobs by keyword.

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Single job view allows the user to apply for the job, delete the job (if they have permission) and edit the job; they can also like the job.

Graphical user interface, text

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A user can also leave a message and like other users comments

Graphical user interface, text, letter

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This is the edit job page

Graphical user interface, text, application

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Users can send an email to a Gmail account using the contact form below

Graphical user interface, application, Teams

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This message pops up when the message has been sent.

Graphical user interface, text

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App Functionality

* Register and login
* A user can create, edit, and delete their own job listings
* Can like individual jobs
* Can comment and like comments on all jobs
* Search job listings
* Can use the contact form to send us an email
* A user can create and edit their profile

Process