

# Isaac Diabagate

## Student-Athlete, Full Stack developer with a STEM Bachelor's Degree

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Portfolio : [Isaac-diabagate.tech](https://isaac-diabagate.tech)

Git Hub: <https://github.com/iadiabagate1s>

LinkedIn : [www.linkedin.com/in/isaac-diabagate-5b1897173](https://www.linkedin.com/in/isaac-diabagate-5b1897173)

Hi,

My name is Isaac. I am a graduate with a bachelor's degree in Molecular Biology/Biotechnology & Computer Science. Recently I've taken on extensive work as a Software Engineer and decided to enroll in a bootcamp to complement my collegiate coursework.

In my professional career thus far I've had the opportunity to work in the biotechnology industry doing a variety of work ranging from clinical testing, Antibody production, and much more. I've even had the chance to work on a project to validate new Covid-19 testing methods which earned recognition on a national level. During this time I was exposed to bioinformatics and web development and many other computer science related fields.

Working in such diverse environments, I've been able to leverage my ingenuity to elevate my work. I've been known to be innovative and creative while altering and implementing new techniques and methods to improve efficiency and reliability within the companies I've worked for. I love problem solving as well as learning and this pushes me to gain a deeper understanding of the processes behind my tasks and then try to find ways to improve them. This I would say is one of the top reasons I decided to become a full stack developer.

Being able to combine my knowledge and experience in biology, software engineering, and as a collegiate athlete makes me versatile for any work environment. I bring adaptability, a desire to learn, and a rigorous work ethic with me everywhere I go.

Currently in my job search I'm looking for an opportunity to continue to learn and grow as much as possible. I would love to be in a stimulating environment that encourages innovative thinking and problem solving. I want to keep building on my current knowledge and skills so that I can make an impact and be an asset to my future employer.

Thank you for your time,

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- Full Stack Developer with focused studies in Molecular Biology/Biotechnology and Computer Science, He has experience as a software engineer, scientist , and in digital marketing/ branding.
- Skilled in front end languages and frameworks such as JavaScript, HTML, CSS and React. Also Skilled in numerous backend techniques and languages such as python, Flask, Node, Express and relational databases such as PostgreSQL
- He is a self-motivated, Hardworking Individual who is a good team member. He was Fortunate to learn the necessary skills to work well with individuals of many different cultural backgrounds after being a collegiate Student-Athlete.
- He loves problem solving which is what pushed him to add software engineering to his skills. Having good knowledge in Molecular biology and biotechnology, along with a Full stack developer background, He is willing and ready to learn new skills and take on new challenges.

## Education

- Bachelors Molecular Biology/Biotechnology - Southeast Missouri state university - 2015- 2019
  - Full stack Software Engineering certificate - SpringBoard - 2020
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## Skills

### Front End

- JavaScript
- React
- jQuery
- Bootstrap
- HTML
- CSS

### Back End

- Node
- Python
- Express
- Flask

### Database

SQL, PostgreSQL

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## Experience

*Projects I am most proud of :*

*I'm excited to share these specific projects because I built them from start to finish all on my own. I believe they each solve real world problems and have real world value. I've completed many other projects such as games, brand websites, and things of that nature but these are projects I would personally use myself on a regular basis and that's what makes them valuable to me.*

### Traveling api-

Technologies : React, Node , PostgreSQL, JavaScript, HTML, CSS,Bootstrap, Google API, Yelp API, TicketMaster, API,Skyscanner flights API, Express

This react app was inspired by people who love traveling like myself. I love taking spontaneous road trips to events and exploring new cities and so i built it so that at any time i can find a spontaneous trip, hop on the road enjoy my event and explore

This app has react for the front end and a Node Js server. I built a couple versions of this app while experimenting with different react frameworks such as next.js, blitz.js and gatsby.js. The express backend makes API calls gathering information like events, flights, and much more when a user searches an event or clicks on a featured event. When the page loads the user can also see nearby businesses that are popular. It's also set up to have flight information posted, unfortunately that feature I have on another version because gaining access to a flight API's needs a higher level of approval from all the companies.

Link: <https://amplifyetravel.vercel.app/> github(client) : <https://github.com/iadiabagate1s/AmplifyeTravel2>  
github(server): <https://github.com/iadiabagate1s/TravelAppApi>

### **-Laboratory Project manager-**

*Technologies : Python, PostgreSQL, HTML, CSS, JavaScript*

I built a laboratory/project managing web application. An associate signs in, authentication and authorization was implemented with Bcrypt and they have access to a dashboard with their tasks and projects. These are assigned by an admin user who has an additional dashboard where they can create projects, and delegate different tasks upon team members. When projects and tasks are created they are saved in the PostgreSQL database. Users have the ability to mark tasks complete and that change is reflected on the admin dashboard.

I built this at a time when I was still working full-time in a laboratory, the workload was overwhelming and it became hard to keep track of all my work and so I came up with this idea to help me manage everything I had to do and increase my efficiency. This project could be used across multiple clients, and even be used as a general project manager scaled up.

Link : <https://lab-manager-webapp.herokuapp.com/> github: <https://github.com/iadiabagate1s/LabappManager>

### **News app-**

*Technologies : Python, PostgreSQL, HTML, CSS, JavaScript, news API, openweather API, and MapQuest API*

Based on the location imputed the data is sent to the server which makes a call to get weather data and top headlines for the country. News cards and a weather widget are appended to the DOM relaying the information from the API's. Users can also search articles by keywords, create an account and get the ability to save articles for later and save keywords and topics to have articles falling under those categories loaded into the main page when they return to it whether it's in the same browsing session or months later.

This project taught me a lot about handling a high volume of data, coming from several different places simultaneously. I attempted to show more versatility while making this app. I was making API calls from my server and my browser as well as making CRUD commands to my database using data from the different APIs or from inputs from the client.

Link : <https://amp-news-app.herokuapp.com/> github: <https://github.com/iadiabagate1s/newsapp>

## **Full Stack Software Engineer Student**

### **Springboard**

- Worked extensively on a number of projects involving many different areas of skills and programming languages as a student.
- Designed and implemented clean and efficient code, built applications and web platforms that can be used to manage, and analyze datasets. Designed and implemented responsive UIs as well as implemented unit and Integration testing for front end and back end applications

### **Laboratory Associate**

**Cosmos ID**

2020 to 2020

- Working in a clinical laboratory Performed manual DNA extractions from Covid-19 samples as well as a wide range of other samples ranging from fecal matter to sputum and many more.
- performed DNA quantification prior to Next generation sequencing
- Worked in a CLIA Laboratory setting

## **Associate Scientist**

### **Leinco Technologies**

May 2019 to December 2019

- Working for a Biotech company with many different roles. Spanning from managing and supervising the entire buffer and sheath department, protein purification, and quantification to building/ breaking down bioreactors, ordering parts, and lastly maintenance the laboratory and ensuring everything is in order and stocked.
  - Supervises the whole sheath and buffer department. Manufactured all sheath orders following standard operating procedures and batch records.
  - Worked with an AKTA machine and spectrophotometer for protein purification And quantification on a small scale to determine the approximate amount of antibodies produced by a bioreactor.
  - Produced and worked with sterile product constantly Using great aseptic techniques to avoid contamination
  - Advanced knowledge of cGMP standards
  - Experience with quality control for various products and running tests such as, conductivity, PH, bioburden, endotoxin, TOC, A280, water analysis, and many more
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## **Other Skills**

- |                               |                       |                      |
|-------------------------------|-----------------------|----------------------|
| • API                         | • Version Control     | • Branding           |
| • REST                        | • Git                 | • Fast Learner       |
| • API                         | • GitHub              | • Testing            |
| • Ajax                        | • Web Development     | • Problem solving    |
| • Gatsby.js                   | • Unit testing        | • Teamwork           |
| • Next.js                     | • Integration testing | • Analysis           |
| • Blitz.js                    | • Molecular Biology   | • Project Management |
| • Redux                       | • Versatility         | • Designing          |
| • Object Oriented Programming | • Engenuity           | • Troubleshooting    |
| • JSON                        | • Time Management     | • debugging          |
| • Agile                       | • Digital Marketing   | • AI                 |
|                               | • Social Media        |                      |

## **Achievements**

- Selected for The National Society for Leadership and Success
- Started a successful Personal Training Business for collegiate athletes nationwide via Instagram (@Daly\_Grind) Today the page has almost 3000 followers,
- For 3 years managed and planned a 1-week trip involving 30+ college students from all over the United States. He organized housing, travel, daily activities, and had great success every year.
- Started Amplifye Brand to help people and groups have their projects, ideas, and rights heard

## **References**

- Lloyd Achirem  
Quality Control -Astra Zeneca

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- · Carlos Venzego  
Sky Zone supervisor  
240-550-2074
- · Eric Burrow  
Collegiate Football coach  
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