

Isaac Diabagate

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

iadiabagate95@gmail.com

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

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

LinkedIn : www.linkedin.com/in/isaac-diabagate-5b1897173

Hi,

My name is Isaac. I am a Full stack Developer with a bachelor's degree in Molecular Biology with emphasis in Biotechnology & Computer Science. In my professional career thus far I've had the opportunity to work in the biotechnology industry doing a variety of work, most recently working on a project to validate new Covid-19 testing methods which earned recognition on a national level. During this time I was able learn a lot and get insight on fields such as Data Science and Software engineering.

Feeling that my computer science background wasn't strong enough, I decided to go back to school while working full time to learn the necessary skills to fill in the gaps needed so I could be a confident full stack developer. My passion for problem solving and learning has pushed me to pursue knowledge in web development, artificial intelligence, and data science.

Working in such diverse environments, I've been able to leverage my ingenuity and problem solving skills to elevate my work. On several occasions I've successfully altered and implemented new techniques and methods to improve efficiency and productivity within my previous workspaces. I often seek to gain a deeper understanding of the processes behind my tasks and then attempt to refine 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 various experiences whether it be in STEM, as a collegiate athlete, or even in social media marketing and branding, make me versatile for any work environment. I bring adaptability, a desire to learn, and a rigorous work ethic 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 allows me to challenge myself, while being encouraged to provide innovative solutions to problems and tasks. I want to be able to make an impact while continuously building on my current knowledge and skills.

Thank you for your time,

I am eager for a follow up conversation and the opportunity to learn more about how my skills and values can translate into your workplace.

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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, Vue.js and React.js.
- Skilled in numerous backend techniques and languages such as python, Flask, Node, Express. Has worked with SQL databases such as PostgreSQL and cloud databases and hosting with Google.
- 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, biotechnology, and Computer Science, He is willing and ready to learn new skills and take on new challenges.

Education

- Bachelors Molecular Biology/Biotechnology & Computer Science coursework
 - Southeast Missouri state university August 2015- May 2019
- Full stack Software Engineering
 - SpringBoard-2020
- Python Introduction to Artificial Intelligence
 - HarvardX CS50 & CS50AI - 2020

Skills

Front End

- JavaScript
- React.js
- Vue.js
- jQuery
- Bootstrap
- HTML
- CSS

Back End

- Node
- Python
- Express
- Flask
- Google Firebase

Database

SQL, PostgreSQL, Google Cloud

Experience

Portfolio : <https://isaac-diabagate.tech>

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've completed many other projects such as games, brand websites, and things of that nature but these are projects I would or have 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 an event and explore

The client was made with React.js and Node.js/Express for the 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 Server makes API calls gathering information on events from a Yelp beta API. Users can see events By category and location, they have access to event details and nearby popular businesses and attractions. I implemented Google maps for users to see the distance/ directions to the event from a location of choice, as well as hotels surrounding the event. It's also set up to have flights from the users location to the airport nearest to the event, unfortunately that feature couldn't be implemented immediately because I can't gain access to a flight tracking AP.

Link: <https://amplifytravel.vercel.app/> github(client) : <https://github.com/iadiabagate1s/AmplifyTravel2>

github(server): <https://github.com/iadiabagate1s/TravelAppApi>

Laboratory Project manager-

Technologies : Python, PostgreSQL, HTML, CSS, JavaScript, Bcrypt Authorization & Authentication

This is a laboratory/project managing web application. An admin user has the ability to create projects, these projects require a few pieces of information such as number of samples, freezer location, and company name to state a few. The Admin user can then assign tasks to team members for them to complete. These tasks are seen on the user home where they can interact with them. They have the ability to see more information on what their task is, the over project information and they can mark them complete when they are done. These changes are reflected on the admin dashboard. Tasks, Projects, and Users are saved to the PostgreSQL database. They all have full CRUD commands from the app.

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, MapQuest API,Bcrypt Authorization & Authentication

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>

Data Science and Data analytics-

Through my professional experience and collegiate experience in the sciences I've had the chance of Learning some Data science and Data analytics. I've worked with Pandas and other Python libraries to create tables and graphs representing

Recent data analytics work with Python and Pandas:

<https://www.kaggle.com/isaacdiabagate/dose-assignment-part2-isaac-diabagate>

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.
- Deployed applications and web platforms that can be used to manage, and analyze datasets.
- Designed solutions and implement quality, clean, and efficient code independently
- Designed and implemented responsive UIs as well as implemented unit and Integration testing for front end and back end applications
- Develop custom applications and integrations.
- Implemented security and data protection from the server and client side
- Maintain, troubleshoot, and debug existing applications.
- Database Management and data analysis
- Designed and built backend API micro services, supporting client-side 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

- | | | |
|-------------|-------------------|-----------------------|
| • Unix | • Blitz.js | • Git |
| • API | • Redux | • GitHub |
| • REST | • Object Oriented | • Web Development |
| • API | Programming | • Unit testing |
| • Ajax | • JSON | • Integration testing |
| • Gatsby.js | • Agile | • Molecular Biology |
| • Next.js | • Version Control | • Versatility |

- Engenuity
- Time Management
- Digital Marketing
- Social Media
- Branding
- Fast Learner
- Testing
- Problem solving
- Teamwork
- Analysis
- Project Management
- Designing
- Troubleshooting
- debugging
- AI
- Data Science
- Pandas
- Data analysis
- Machine Learning
- Deep Learning
- scikit-learn

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,
- Started Amplifye Brand to help people and groups have their projects, ideas, and rights heard

References

- Lloyd Achirem
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