

Bola Ghaly

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OBJECTIVE

An intellectually curious and highly motivated undergraduate software engineer with a passion for learning new technologies seeking a challenging and rewarding opportunity to utilize and further develop my technical skills and capabilities.

EDUCATION

The City University of New York, College of Staten Island, NY

BS Degree in Computer Science, Anticipated Graduation: Fall 2023. Current Overall GPA: 3.6

TECHNICAL SKILLS

Programming: C++, C#, Java, Python, HTML, CSS, Sass, JavaScript, TypeScript, React, Redux, Material UI, Node.js, Express.js, Flask, .NET, SQL, REST, GraphQL.

Technologies: VS Code, Eclipse, Git, GitHub, GitLab, AWS, Heroku, Netlify, Jira, Figma, Postman, MS Office Suite.

TECHNICAL PROJECTS

TTP Full Stack Web Dev Bootcamp – Capstone Project

Staten Island, NY

Tech Talent Pipeline (TTP): Software Development Student

January 2022 - February 2022

Applied React.js, Node.js, Express.js, and PostgreSQL to create an online loot box simulator where a user can open different kinds of card packs to get a chance to own their favorite NBA player trading cards.

- Used Node.js, Express.js, and PostgreSQL to create custom routes and HTTP messages allowing player information, user login information, and user card collection to be exchanged between the client and the server.
- Allowed users to create an account or login with an existing account using email and password validation by using regular expressions (regex).
- Encrypted user passwords by using bcrypt.js before storing them into a PostgreSQL database table.
- Deployed the server and PostgreSQL database to Heroku so that it can be accessible to the front-end application on any device thereby allowing for the web application to be fully accessible and functional to all users.

PROFESSIONAL EXPERIENCE

HData

Birmingham, Alabama (Remote)

Full Stack Developer Intern

June 2022 – August 2022

Interned at a RegTech startup company that creates and scales platforms to deliver automated compliance and enable instant business intelligence to the U.S. regulated energy industry.

- Participated in the complete software development cycle by attending daily standup and design meetings and building various microservices that aid HData platform's success as well.
- Assisted with developing and maintaining a RESTful API written in C# by implementing and/or updating multiple endpoints to access all the data necessary from a MariaDB database hosted by Amazon Relational Database Service (RDS) in AWS.
- Unit tested front-end components using Jest and back-end routes using NUnit and Moq.

NYC Department of Education

New York, NY

Substitute Paraprofessional

January 2020 – December 2021

Worked at District 75 to provide instructional support in a wide variety of settings and locations around NYC for students with significant challenges such as Autism Spectrum Disorders, Sensory impairments, etc.

- Assisted teachers with classwork and reinforced lesson content by working with individual students as well as facilitating small study groups of students.
- Monitored student participation and progress to provide appropriate support based on observed learning needs.
- Observed student behavior for signs of distress, anxiety, and discomfort, and facilitated suitable interventions.