

# Bola Ghaly

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## OBJECTIVE

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

## EDUCATION

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

BS Degree in Computer Science, Anticipated Graduation: Spring 2023. Current Overall GPA: **3.68**

## TECHNICAL SKILLS

**Programming:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, SASS/SCSS, Material UI, Tailwind CSS, Bootstrap, Java, Python, Flask, C#, .NET, SQL, RESTful API, GraphQL.

**Technologies:** VS Code, Eclipse, Git, GitHub, GitLab, CI/CD, AWS, Heroku, Netlify, Jira, Figma, Postman.

## PROFESSIONAL EXPERIENCE

HData (Remote)

Birmingham, AL

### 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.

- Practiced the complete software development life cycle (SDLC) from planning and defining requirements for project tasks by using Jira and attending design meetings, to code developing, testing, and deploying.
- Developed and maintained a RESTful API written in C# by implementing and updating multiple endpoints to access all the data necessary, such as user accounts and FERC filings, from a MariaDB database.
- Performed unit testing on front-end Material UI components using Jest to assure the user interface was developed and operated as expected for end-users.
- Used NUnit and Moq on back-end routes to simulate real objects which allowed for testing API calls to the database using in-memory data.

NYC Department of Education

New York City, 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.

## TECHNICAL PROJECTS

TTP Full Stack Web Dev Bootcamp – Capstone Project

Staten Island, NY

### Tech Talent Pipeline: 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.