JIOVANI BAH

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WORK EXPERIENCE

Junior Software Engineer, George Street Services   **Sept 2023 - Present**

- Built a recommendation system for Circular, significantly **improving and personalizing** the user **experience and engagement time** on the platform.
- Utilized **React Native, JavaScript, SpringBoot, REST, Firebase, Docker, MySQL, and Git** to develop over **10 new client products**, ensuring high performance and scalability.
- Thrived in an Agile environment, consistently writing **1,000+ lines** of code within short deadlines, demonstrating efficiency and adaptability.
- Conducted comprehensive code debugging, website security checks using tools like **ZAP**, and participated in weekly meetings, providing **ideas and an execution plan** for several successful products

CDH Engineer, Daly Computers   **May 2023 - Aug 2023**

- Developed, implemented, and optimized complex stored procedures and functions using **SQL** to **enhance database performance and efficiency**
- Provided comprehensive hardware and software support, including troubleshooting, configuration, and maintenance, for over **50 school systems** across the DC-Maryland-Virginia area
- Installed application software, performed upgrades, and ensured virus protection and driver updates on more than **2,000 laptops**, significantly improving system reliability and security

EDUCATION

Hood College, Computer Science, Bachelors of Science   **2021 - 2025**

Minor in Mathematics, 3.75/4.0 GPA, Worked in IT Department 2+ years

PROJECTS

FitJoy | React Native, TypeScript, Expo, Firebase/Firestore

- Developed a full-stack fitness application using **React Native, TypeScript, and Expo,** encompassing features such as **food logging, recipe creation, and personalized workout planning.**
- Implemented a robust backend using **Firebase/Firestore** for real-time data storage and synchronization, enabling seamless user interaction and data management across devices.
- Designed and integrated interactive components including a **fasting timer, social media integration, and dynamic content delivery of motivational quotes and nutrition facts,** enhancing user engagement and retention.
- Leveraged Expo tools for rapid development and deployment, ensuring cross-platform compatibility while adhering to best practices in mobile application development and user experience design.

MyBudgetPal | JS, HTML/CSS

- Developed a web-based budgeting application for friends/family but accumulated **over 200 more college students**, addressing the poor user interface of most budget apps.
- Implemented dynamic calculations to track and display budget limits, expenses, and savings. Created an **interactive interface** for users to add, edit, and delete budget categories with **real-time updates**. Designed **sorting and filtering functionalities** to prioritize budgets with the lowest remaining amounts and render dates in a user-friendly format.

TECHNICAL SKILLS

Languages: Python, Java, C#, C++, Javascript, HTML/CSS, SQL
Frameworks: React, Flask, Next.js, Tailwind, Node.js, Express.js, NumPy, Bootstrap 5
Libraries: ReactJs, JQuery
Tools: Git, Unix, MongoDB, VSCode, Firebase
Concepts: Frontend, Backend, Agile, Machine Learning, Communication, Teamwork