HASSAN FARDOUS

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EDUCATION

The City College of New York - Bachelor of Science in Computer Science Expected: May 2025
GPA: (3.5)
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Software Design Laboratory, Intro to Database Systems, Programming Language Paradigms, Operating Systems, Computer Networks, Cryptography
Awards: Peter F. Vallone Academic Scholarship 2022 – 2025

SKILLS

Programming Languages: Java, JavaScript, Python, C++, C#, SQL
Frameworks, Libraries, and Tools: Node.js with Express, Spring Boot, MySQL, MSSQL, MongoDB, React.js, React Native, TypeScript, HTML, CSS, REST APIs, Github, Gitlab, AWS, Lucidchart, Linux, Unix
Technical: Data Structures & Algorithms, Full-Stack Software Development, Web Development, Mobile App Development, Database Design, Object-Oriented Programming, Project Management, Agile Development

WORK EXPERIENCE

***Full-Stack Developer Intern* - Cantor Fitzgerald (New York, NY)** June 3, 2024 – Aug 9, 2024

- Developed a full-stack web application using React.js, CSS, Node.js, MSSQL, and REST APIs for Mergers and Acquisitions, resulting in streamlined communication, reduced costs, and reduced onboarding time between acquiring divisions and acquired companies.
- Designed and implemented the application's 23-table database in Lucidchart after extensive meetings with managers and stakeholders to define specifications, contributing to a robust foundation with accurate data handling and system scalability.
- Implemented strong user authentication and heavy role validation using JSON Web Tokens, enhancing security and access controls for sensitive company data.
- Thoroughly documented the project, facilitating seamless handover and future development.

***Software Developer Intern* - The Difference App LLC (Remote)** July 10, 2023 – Aug 18, 2023

- Optimized data retrieval and data management efficiency by spearheading the strategic initiative to redesign the existing SQL database infrastructure as the foundational step prior to executing integrations.
- Assisted in remodeling the database schema on Lucidchart, collaborating with various departments to ensure the updated structure met business requirements, resulting in increased data-handling efficiency and accuracy.
- Implemented the new schema in MySQL Workbench, enhancing system performance and database operations.

PROJECTS (https://github.com/Hassan5123/Portfolio)

HIFRY Diner May 2024

- Collaborated in a team to develop a dynamic food ordering and delivery web application using React.js, CSS, Node.js, MongoDB, REST APIs, and Git, enabling customers to browse menus, place orders, track deliveries in real-time, and provide order-feedback.
- Optimized user experience and streamlined restaurant operations by integrating VIP customer management, task management for chefs, managers, and delivery personnel, and secure user authentication with role validation using JSON Web Tokens.

Life Balance May 2024

- Collaborated in a team to design and develop a service-booking web application using React.js, CSS, Node.js, MySQL, REST APIs, Lucidchart, and Git, dynamically enabling providers to register and manage classes, while allowing customers to intuitively browse using filters, book, and pay for services online.

HealthChat Jan 2024

- Developed a real-time communication web application for medical professionals using React.js, CSS, Node.js, REST APIs, and WebSockets, enabling seamless user registration with token authentication, direct/group chats, message editing and deletion, and more.
- Integrated advanced features like emojis, reactions, built-in GIFs, specialized commands, and encryption, ensuring a secure and dynamic user experience tailored to healthcare needs.

Weather Forecast Dec 2023

- Built a weather forecasting web application using HTML, CSS, JavaScript, and Spring Boot, integrating a Weather API to provide accurate 7-day predictions for global cities with a responsive and user-friendly interface.
- Engineered a robust backend with data-parsing algorithms to deliver detailed climatic data efficiently, ensuring a seamless experience even with high data volume.