Omar Narine

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EDUCATION:

Bachelor of Science, Computer Science, St. John's University, *Queens,* NY   *August 2020 – December 2023*
- GPA: 3.98

SKILLS:

Programming: Python, Java, JavaScript, HTML, CSS, Kotlin, SQL, C#, React, Flask, Selenium, PyMongo, Swagger, Express, Node
Software/Technical: AWS, Zapier, MongoDB, Google Firebase, DigitalOcean, MySQL, Git, Docker, VSCode, Eclipse, UML, OOP

EXPERIENCE:

Software Engineer Fellow, Headstarter*, Long Island City, NY*   *January 2023 – Present*
- Developed real-world projects and acquired in-depth knowledge of software development technologies and tools such as Agile, Git, and software design patterns
- Collaborated on a team of experienced software engineers in 1 week scrums to design, build, and implement full-stack web applications using Google Firebase, ReactJS, JavaScript, and Flask
- Utilized state management and event handling to create dynamic and responsive user experiences
- Conducted a weekly code review with team to assess code functionality & debug issues, resulting in software programs functioning 10% better
- Created relevant and clear documentation for developed projects using tools such as Swagger to aid in software evolution lifecycle

Backend Software Engineer, Khan's Tutorial*, Queens, NY*   *November 2022 – Present*
- Coordinated with executives and stakeholders to coordinate and develop 10+ new features and 3+ new technologies which reduced managerial workload by 27% and increase productivity by 17% utilizing an Agile development cycle
- Developed and maintained RESTful API using Python Flask to manage company applications and serve data for 10,000+ monthly users
- Automated browser-based services and programs that don't have public APIs using Mozilla Gecko and Selenium to reduce engineering team overhead by 30%
- Collaborated with a team of 4 engineers to build out back-end for full-stack internal platform using Flask, MongoDB, and Zapier to streamline company communication and workload with a 20% expected increase in team productivity
- Supporting the adoption of CI/CD practices with Docker to enable an expected 10% increase engineering team workflow efficiency

Co-Lead, Google Developer Student Club, St. John's University*, NY*   *January 2022 - Present*
- Led the establishment and project sourcing of organization at St. John's University
- Developed technical solutions consisting of 2 full stack applications for 10 community organizations resulting in gaining skills applicable to industry standards
- Organized 10+ hands-on tech workshops, consisting of 5+ speakers, facilitating knowledge acquisition for 500+ students on topics including Machine Learning, Cloud Developments and Mobile App Dev.

Cloud Computing Research Assistant, St. John's University, *NY*   *January 2022 - Present*
- Tested scheduling algorithms and impact of redundancy using Java and JUnit testing to decrease cloud resource idle time by up to 80% across a distributed vehicular cloud network
- Collaborated with peers to isolate errors in algorithm logic to ensure efficient and appropriate implementation in network

PROJECTS:

Plan a Headstarter - Group Planning Platform   *February 2023*
- A full-stack web application built using React.js and Google Firebase integration to create a multi-page website that allows for event planning, video calling, and user complaining logging
- Cooperated with a team using a small scale Agile workflow to incrementally implement features and isolate bugs
- Incorporated Google Firebase Authentication and Firestore Database to save user information, assign groups, restrict access to pages, and allow for interconnected user calendars
- Implemented Agora's SDK to add a real time communication video calling feature for all users within an assigned group to access

Task Assignment System   *February 2023*
- A full-stack web application built using React.js and Flask with MongoDB and Google Firebase integration to create, assign, and store tasks in a workplace environment with a multi-page application
- Developed scalable components to prevent application slow down during heavy use and functional edge cases

ATS Resume Parser   *January 2023*
- A full-stack web application built using React.js and Flask to parse uploaded resumes provided a keyword with MongoDB implementation using PyMongo in order to store and access uploaded allowing scalability to 50+ users
- Implemented AI based Swagger documentation in line with OpenAI API documentation standard to ensure code readability and scalable documentation with future iterations

Cloud Resource Distribution Application   *November 2022*
- Implemented user authentication using JavaSwing for the front end and Java for the backend with MySQL implementation allowing scalability up to 20,000 daily users.
- Collaborated with developers to reduce running time of automatic resource assignment algorithm to logarithmic run time
- Tested the implementation of different data structures in relation to application API to allow for efficient information handling