Muyeed Hossain

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Education

Bachelor of Science, Computer Science (Co-op) - Toronto Metropolitan University   **September 2020 - April 2025**
(Formerly Ryerson University)
- **GPA:** 4.14/4.33
- **Awards:** Dean's List (x2), Renewable Scholarship (Highest Level)

Technical Skills

- **Languages:** Python, JavaScript, TypeScript, C, Java, Visual Basic, Lisp, Bash
- **Web Technologies:** HTML5, CSS3, React.js, Node.js, Next.js, Bootstrap, Tailwind, Semantic UI
- **Databases:** SQL, MongoDB, PostgresSQL, Oracle
- **Tools:** Git/GitHub, Azure, LINUX/UNIX, MS Stack (PA, PVA, D365), Confluence, SDLC, SCRUM

Experience

Software Developer (Co-op part time) - Ontario Public Services | *Toronto, ON*   **September 2023 - Present**
- Collaborated with the back-end team to enable the front-end to seamlessly communicate with backend APIs, including critical functions like payment processing, ensuring smooth integration and system-wide. communication.

Analyst / Software Developer (Co-op) - Ontario Public Services | *Toronto, ON*   **May 2023 - September 2023**
- Developed interactive user interfaces using Next.js and React.js, alongside styled components, to translate wireframe UI/UX designs and user stories into engaging web pages.
- Improved front-end application accuracy by troubleshooting API calls, thoroughly verifying data accuracy, validating forms, storing front-end information in state management tools and implementing conditional rendering accordingly.Resulting in a seamless user experience and enhanced data presentation.
- Enhanced development efficiency by creating reusable global styled components in React.js and Next,js, maintaining consistent branding and saving development time.

Network Engineer (Co-op) - AMD | *Markham, Ontario*   **May 2022 - May 2023**
- Developed a Python application for network device usage analysis to aid in business planning and project management.
- Automated switch configurations for mass devices using Python scripts, enhancing operational efficiency.
- Collaborated with 20+ engineering teams to deploy 100+ cisco and aruba switches across data centers and labs, supporting 200+ servers and test systems.
- Troubleshoot and resolve over 400 network tickets and requests related to LAN, WIFI, DHCP, and other network components, minimizing service downtime by debugging in-depth, adhering to TCP/IP model guidelines.

Projects

Dublo | *React.js, Node.js, MongoDB, Firebase, HTML5, CSS3, JavaScript, Tailwind, Socket.io*   *July 2023*
- Enabled seamless user experience through conditional rendering,pagination,form validation, & state management
- Implemented authentication protocols, such as OAuth, and secured REST APIs by incorporating middlewares for client data access through access token verification.
- Improved database performance by 45% through query optimization, indexing and entity relationships

Species Catalog | React.js, Node.js, MongoDB, Tailwind, CSS3, Firebase, PostgressSQL   **June 2023**
- Developed a full-stack database management app with lazy loading and pagination for efficient data rendering.
- Implemented admin role access, form validation, and search functionality for enhanced data management..

Network Switch data analyzer | Python, Netmiko, regex, Object-oriented-programming   *March 2023*
- Developed a Python-based CLI application with user-friendly interface, utilizing Netmiko library to establish SSH connections and retrieve network switch data.
- Enhanced data analysis efficiency through regex expressions for data filtering.