

# Muyeed Hossain

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## Technical Skills

- **Languages:** Python, JavaScript, TypeScript, HTML, CSS, C, Java, Visual Basic, Lisp, Bash, PHP
- **Frameworks:** React, NodeJs, NextJs, Bootstrap, Tailwind, Semantic UI, NumPy, Pandas
- **Databases:** SQL, MongoDB, PostgreSQL, Oracle
- **Tools:** Git / GitHub, Azure, Azure DevOps, LINUX/UNIX, MS Power Platforms, Confluence, VS Code, Postman

## Work Experience

### Software Developer (Part Time Internship) - Ontario Public Services | Toronto, ON September 2023 - Present

- Integrated and implemented a pivotal web application transaction system on the front-end for a microservice, resulting in seamless integration and highly efficient transaction management
- Collaborated with back-end to integrate front-end API calls and align API responses with front-end requirements

### Analyst / Software Developer (Co-op) - Ontario Public Services | Toronto, ON May 2023 - September 2023

- Developed user interfaces for NextJs microservices using React, TypeScript, and wireframe-based designs, translating wireframe UI & UX designs and user stories into reality for a large-scale project
- Improved front-end application accuracy by troubleshooting API calls, thoroughly verifying data accuracy, validating forms, storing front-end information in state management tools such as Context APIs / Redux, satisfying the wireframe design and web page requirements
- Enhanced development efficiency by creating reusable global styled components in React and Next.js, maintaining consistent design and saving development time

### Network Engineer (Co-op) - Advanced Micro Devices (AMD) | Markham, Ontario May 2022 - May 2023

- Developed a Python application for implementing solutions in network device usage analysis to aid in business planning and project management
- Automated configurations for mass networking 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
- Resolved over 400 network requests, achieving a 400% KPI improvement, by troubleshooting issues related to LAN, WiFi, DHCP, TCP/IP, and other network components, thus minimizing service downtime

## Projects

### Dublo - Social-Media app | React, NodeJs, MongoDB, Firebase, HTML, CSS, JavaScript, Tailwind, Socket.io July 2023

- Developed a sprint-based social media web application with OAuth integration, user communication through text, image sharing, real-time notification feature, and interactive features including commenting, following, etc
- Designed and developed REST APIs, including middlewares for client data access with access token verification

### Species Catalog - DBMS app | React, NodeJs, Tailwind, JavaScript, CSS, Firebase, PostgreSQL, Redux June 2023

- Developed a responsive full-stack database app for efficient storage and retrieval of living creature data consisting of both text and images, and a user-friendly gallery page for streamlined navigation of different entries
- Implemented admin role access, form validation, and search functionality for enhanced data management

### Network Switch data analyzer | Python, Netmiko, regex, OOP 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 by implementing regex-based result filtering to acquire required data

## Education

### Bachelor of Science, Computer Science (Co-op) - Toronto Metropolitan University September 2020 - April 2025

- **GPA:** 4.14/4.33, **Awards:** Dean's List (x2), Renewable Scholarship (Highest Level)
- **Relevant Courses:** Data Structures, Statistics, Database Systems, Web Development, Software Engineering