

Lloyd Musa

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Education

York University

BS Hons. Computer Science

Toronto, ON

Expected graduation date: September 2027

Relevant Courses: Advanced OOP, Algorithms and Data Structures I, Object Oriented Programming I and II.

Skills

Skills: Detail-oriented, Strong organizational abilities, Effective communication, Time management, Scheduling and Planning.

Technologies & Tools: Java, Python, C, SQL, MySQL, Postgres, Excel, Tableau, Docker, Grafana, UNIX Bash Scripting knowledge of TCP/IP, DNS, DHCP, SSL/TLS.

Experience

Classroom Infrastructure Technician

Sep 2024 - May 2025

York University

Toronto, Ontario

- Provisioned and managed VPN connectivity and Two Factor Authentication (2FA) for over 75 classroom workstations and AV control consoles, ensuring secure access for faculty and staff.
- Installed, maintained, and troubleshoot audio visual systems including projectors, sound mixers, cabling and podium hardware in 30+ general purpose and specialized teaching spaces.

K2I Program Mentor

May 2025 - August 2025

Lassonde School of Engineering

Toronto, ON

- Led weekly hands on coding sessions in Python and Java, guiding mentees through project-based exercises and best practices.
- Developed clear, step by step lesson plans and technical documentation to support learning goals and reinforce key concepts. Respond quickly to technical issues and email requests, offering effective solutions and meeting SLAs.

VP Finance

May 2025 - August 2025

Bethune College

Toronto, ON

- Led budget reporting with Grafana dashboards and automated financial workflows, cutting manual consolidation time in half.
- Managed a \$600,000+ annual operating budget; performed monthly variance analysis and three-quarter forecasts to guide strategy.
- Implemented QuickBooks integration and Excel macros to streamline grant tracking and account reconciliations.

Projects

Ticket Nexus

Docker, Grafana, Postgres

- Automated startup and monitoring setup with Bash scripts and preconfigured Grafana dashboards for real time observability.
- Designed a PostgreSQL schema with timestamp and status fields indexed for sub 100 ms query performance.
- Built a RESTful Flask API in Python to handle creation, retrieval, updating, and deletion of support tickets.
- Integrated the OpenAI API to generate real-time solutions and advice for common technical problems.

DormDash

React Native, TypeScript, Firebase

- Developed a student-to-student food delivery platform with real-time order tracking and role-based user flows.
- Integrated Clerk authentication and Stripe payments to securely handle user identity and transactions.
- Implemented dynamic weather-aware pricing using OpenMeteo API and deployed the full stack to GitHub Pages via Vite and gh-pages.