

William “Liam” Lokaisingh

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EDUCATION

Software Development & Network Engineering

January 2023 – April 2026

Sheridan College, Oakville ON – Expected Graduation April 2026

ACADEMIC PROJECTS

FindIT – Indoor Navigation Platform

Spring Boot | React | SQL

- Built a full-stack web application with RESTful API architecture, implementing secure authentication and data management with complex SQL queries across relational database
- Designed and developed multiple API endpoints serving structured data to the frontend, demonstrating end-to-end integration between backend services and responsive user interfaces
- Implemented comprehensive testing strategy and UX considerations including boundary, usability, and cross-browser testing to ensure intuitive, production-ready performance

WORK EXPERIENCE

Full-Stack Developer

July 2024 – Present

Cloud2 Software Inc, Mississauga, ON

- Enhanced application reliability by resolving 150+ code issues flagged by SonarQube, and raising unit test coverage from 19% to 85%, applying systematic debugging and code review practices
- Developed and maintained full-stack features using React and Spring Boot, writing optimized SQL queries for data retrieval and working with relational databases
- Worked across Agile teams to deliver features through sprint planning and code reviews, while communicating technical solutions and progress updates to project stakeholders

Software Engineering Research Assistant

May 2025 – July 2025

Healthcare Systems Research & Analysis Inc., Waterloo, ON

- Developed automated Python scripts for data validation and quality assurance in machine learning pipelines, working with large datasets to ensure data integrity and quality
- Supported research teams by designing and testing ML models for patient health data analysis, ensuring model accuracy and reliability
- Authored comprehensive technical documentation and test procedures to support long-term maintainability

TECHNICAL SKILLS

- **Languages & Frameworks:** Java | TypeScript | Python | React | Spring Boot | HTML | CSS | JavaScript
- **Databases:** SQL | PostgreSQL | MongoDB
- **Cloud & DevOps:** Docker | AWS | Jenkins | Git | GitHub | Azure
- **Tools:** Visual Studio Code | IntelliJ | Postman | Jira | SonarQube
- **Testing & QA:** JUnit | Selenium | Playwright | Automated and Manual testing | CI/CD integration
- **Development Practices:** Agile/Scrum | Microservices architecture | API development