

# Maneesh Withanagamage

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## Education

### York University

HONOURS BACHELOR OF ENGINEERING, SPECIALIZED IN COMPUTER ENGINEERING

Toronto, Canada

Sep. 2016 - Apr. 2021

- **Notable Courses:** Software Design Patterns, Relational Databases, Operating Systems, VLSI, Computer Architecture

## Skills

**Languages:** JavaScript, Java, HTMLS/CSS, SQL, C#, System Verilog, Embedded C

**Software Tools:** React.js, Node.js, Express.js, SpringBoot, PostgreSQL, MySQL, RESTful, Git, Docker, Gradle

**Hardware:** Cadence Virtuoso, HSPICE, Innovus

## Work Experience

### Loblaw Companies Limited

Brampton, Canada

IT SOLUTIONS DELIVERY

Apr. 2021 - Present

- Assisted with creating, modifying and validating System Requirement and design documents for the Manhattan Active project.
- Developed, configured and tested modules for System Integration Testing (SIT) and User Acceptance Testing (UAT), which were be used for automation.
- Executed System Integration Tests across all active functionality of the Manhattan Active software.
- Built and Validated current state processors, which dictated the new features required for deployment.

### 4PAY

Toronto, Canada

DEVELOPER & TECHNICAL ANALYST (INTERNSHIP)

Apr. 2020 - Sep. 2020

- Designed, Developed and Implemented a proof of concept Block-chain using React and Express.js.
- Proposed AWS Quantum Ledger Database as a solution to increase security of the company ledgers.
- Implemented a working AWS ledger using Quantum Ledger Database (QLDB) to propose the viability of the project to clients.
- Increased efficiency by over 50% by automating the documentation of the company's main system with 500+ API.
- Developed a reporting tool with SQL queries to display different reports to clients.

### Canadian Imperial Bank of Commerce

Toronto, Canada

IT PROJECT COORDINATOR ON PAYMENTS MODERNIZATION (INTERNSHIP)

Jan. 2019 - Sep. 2019

- Assisted the Quality Assurance (QA) team in writing requirements/user-stories for an in-house automated reporting tool.
- Developed a proof of concept mobile app on improving their current outdated mortgage application.
- Reconciled monthly finances for seven large scale projects and thus, improved efficiency for monthly budget allocations by over 50%.
- Published project reports for the executive team: closure reports, requirements reports, and business reports.

## Projects

### Hospital Communication Web Application

ENGINEERING CAPSTONE PROJECT

- Built a real time web service for physicians and nurses to communicate efficiently in a busy hospital environment.
- Designed and implemented a database schema that would capture the complex communication network in hospitals.
- Implemented a RESTful API that allowed the front-end to access and manage data from the Database.
- Implemented privacy and security for SQL injections, Cross-site-scripting and other protocols to be compliant with PHIPA and HIPAA standards.
- Technologies used: React, Express.js, RESTful API, Sass, npm, MySQL, Figma, Postman

### My Gaming List

PERSONAL PROJECT

- Designed and Implemented back-end server using Java with Spring-boot.
- Built and configured Docker container for PostgreSQL.
- Configured database connectivity using JDBC.
- Implemented a RESTful API for data access and management.
- Technologies used: Next.js, Java, Spring-boot, Docker, PostgreSQL, RESTful API, JDBC