

# Keshav Callychurn

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**Bilingual (Fluent in French)** || Permanent Resident

## EDUCATION

### Computer Programming and Analysis Diploma

Seneca Polytechnic GPA: 3.9/4.0

**Note:** Open to full-time opportunities and completing remaining courses part-time

North York, ON

May 2024 – April 2027 (Expected)

### Bachelor of Business (Accounting and Finance)

La Trobe university WAM: 87%

Melbourne, Australia

July 2018 – June 2021

## WORK EXPERIENCE

### Software Developer – Co-op

Toronto, ON

#### Ontario Public Service - Ministry of Public and Business Service Delivery

Sept 2025 – April 2026

- Collaborating with the development team to maintain and improve a web application built using **.NET (C#)**, **Razor Pages**, **HTML/CSS**, and **JavaScript**.
- Fixing UI and backend bugs and implementing critical features to enhance user experience and application functionality.
- Contributing to the development of an agent for a Retrieval-Augmented Generation (RAG) project using **Python**.
- Implemented automated API tests using **Pytest** to validate endpoints.
- Implemented **CI/CD** pipelines in **Azure DevOps**, automating build, test, and deployment processes.

## PROJECTS

### RememberBirthdays [Github-Backend](#) [Github-Frontend](#) [Live Site](#) [Pdf Summary](#) [Video Demo](#)

*Full-stack birthday management application with secure authentication and automated email reminders.*

**Technologies:** React, TypeScript, Material-UI (MUI), Java 21, Spring Boot 3.5, Keycloak (OAuth2), PostgreSQL, Docker,

- Designed and implemented **RESTful APIs** using **Spring Boot** and **Spring Data JPA** with full CRUD functionality
- Implemented secure **OAuth2 authentication** and role-based authorization using **Keycloak** and **Spring Security**
- Built a **layered backend architecture** (Controller, Service, Repository)
- Integrated **PostgreSQL** for production-grade data persistence and relational data modeling
- Developed automated email reminder jobs using the **SendGrid API** and containerized services with **Docker**

### UFC Store [Github](#) [Live Site](#)

*Full stack e-commerce store powered by the MERN stack and inspired by the official UFC store website.*

**Technologies:** React, HTML, CSS, Javascript, Node.js, MongoDB, Express.js

- Implemented user registration, login, and **JWT**-based authentication for secure access
- Developed product listing and **CRUD** operations, including admin-only management of products
- Built shopping cart functionality with add/remove items and quantity updates
- Integrated **Stripe** payment gateway and demonstrated proficiency with **RESTful API**

## TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript/TypeScript, C/C++, C#, Java (Spring boot)
- **Web & Backend Development:** React.js, React Native, Express.js, Node.js, HTML, CSS
- **Databases:** MySQL, MongoDB, Oracle SQL, MS SQL
- **DevOps:** Docker, CI/CD, Azure DevOps
- **Version Control:** GIT, Azure Repos.
- **Microsoft Office Suite:** Word, Excel, PowerPoint, Outlook
- **Software Development Life Cycle (SDLC):** Agile, Waterfall, and Iterative methods
- **Operating system:** Windows, Linux
- **IDE:** Visual Studio, Visual Studio Code

## CERTIFICATIONS

- **Microsoft Certified: Azure Fundamentals (AZ-900)** – Issued September 2025
- **ISTQB (International Software Testing Qualifications Board) Foundation Level** - Issued April 2025