

# Keshav Callychurn

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Bilingual (Fluent in French) || Permanent Resident

## EDUCATION

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### 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

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### Software Developer – Co-op

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

Toronto, ON

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

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### 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

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- 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

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