# Keshav Callychurn

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

## WORK EXPERIENCE

**Software Developer – Co-op**                                                                                                        Toronto, ON
**Ontario Public Service - Ministry of Public and Business Service Delivery**                          Sept 2025 – April 2026

- Developed and enhanced a full-stack web applications using **C#**, **.NET**, **Razor Pages**, **HTML/CSS**, and **JavaScript**, delivering **5+ production features** used by **3 internal business teams**
- Investigated and resolved front-end and back-end defects by debugging application logic and APIs, improving system stability and reducing recurring issues reported by users
- Implemented **PyTest-based automated tests** for **API endpoints**, increasing test coverage from **~50% to ~80%,** validating request/response behavior and prompt templates used in a **Retrieval-Augmented Generation (RAG)** pipeline
- Built and maintained **CI/CD pipelines in Azure DevOps**, automating build, test, and deployment workflows and reducing deployment time from **1-2 hours to under 15 minutes**

## 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** microservice APIs using **Java 21, Spring Boot**, and **Spring Data JPA**, supporting full CRUD operations
- Implemented **OAuth2 authentication** and role-based authorization using **Keycloak** and **Spring Security**
- Built a layered backend architecture (Controller, Service, Repository) to ensure scalability and maintainability
- Integrated **PostgreSQ**L for production-grade relational data persistence and query optimization
- Developed **automated email reminder** jobs using the **SendGrid API** and containerized services using **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**

## EDUCATION

**Computer Programming  Diploma**                                                                                                Toronto, ON
  Seneca Polytechnic    GPA: 3.9 / 4.0                                                                        May 2024 –August 2026
**Note: Remaining courses part-time (evenings/weekends); available for full-time work immediately.**
**Bachelor of Business (Accounting and Finance)**                                                       Melbourne, Australia
  La Trobe university                                                                                                      July 2018 – June 2021

## TECHNICAL SKILLS

- **Languages:** Java (Spring Boot), Python, JavaScript, TypeScript, C# (.Net), PHP
- **Frontend:** React.js, React Native, HTML, CSS, Material UI
- **Backend & APIs**: Spring Boot, Node.js, Express.js, RESTful services, OAuth2
- **Databases:** PostgreSQL, MySQL, MongoDB, Oracle SQL, MS SQL
- **Cloud & DevOps:** Docker, CI/CD pipelines, Azure DevOps
- **Version Control:** Git, Azure Repos
- **Software Development Life Cycle (SDLC):** Agile, Waterfall, and Iterative methods
- **Operating Systems:** Linux, Windows
- **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