

Keshav Callychurn

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Bilingual (Fluent in French) || Permanent Resident

WORK EXPERIENCE

Software Developer – Co-op

Ontario Public Service - Ministry of Public and Business Service Delivery

Toronto, ON

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 **PostgreSQL** 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

Bachelor of Business (Accounting and Finance)

La Trobe university

Melbourne, Australia

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