Keshav Callychurn

437-669-9875 || Toronto, ON (Willing to relocate) || keshav0799@gmail.com || LinkedIn || GitHub || Portfolio
Bilingual (Fluent in French) || Permanent Resident

EDUCATION

Computer Programming and Analysis Diploma   Toronto, ON
  Seneca Polytechnic   GPA: 3.9 / 4.0   2026
Bachelor of Business (Accounting and Finance)   Melbourne, Australia
  La Trobe university   2021

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
- Designed and implemented a **Retrieval-Augmented Generation (RAG)** agent in **Python**, improving the efficiency and accuracy of internal data retrieval for decision-support use cases
- Implemented automated API testing using **Pytest**, increasing test coverage **from ~50% to ~80%** and reducing regression-related **defects by ~25%**
- 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 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:** Java (Spring Boot), Python, JavaScript/TypeScript, C/C++, C#
- **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.
- **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