

Backend Developer Level 1

Beyond the Cloud is designed to empower you for success in the rapidly evolving IT landscape. This is a 10-week comprehensive program that provides essential technical and soft skills training for in-demand digital infrastructure roles. Please note *Transition to your Cloud Career* and *Agile Industry Mindset (AIM)* workshops run concurrently with Technical and Soft Skills courses during the 10-week period. Please contact your administrator for the schedule. Only Newcomers to Canada are invited to AIM (a newcomer is someone who has immigrated to Canada within the last 5 years).

Course Name		Lessons	Learning Platform	Learning Objectives	Level and Time Commitment
Course 1	Learn to Program: The Fundamentals	<ul style="list-style-type: none"> • Python • Python basics 	Coursera	This course introduces the fundamental building blocks of programming and teaches you how to write fun and useful programs using the Python language.	<ul style="list-style-type: none"> • Beginner level • 25 hours (approximately)
Course 2	Introduction to Structured Query Language (SQL)	<ul style="list-style-type: none"> • SQL 	Coursera	Learn about the basic syntax of the SQL language, as well as database design with multiple tables, foreign keys, and the JOIN operation. Learn to model many-to-many relationships like those needed to represent users, roles, and courses.	<ul style="list-style-type: none"> • Intermediate level • 15 hours (approximately)
Course 3	Version Control	<ul style="list-style-type: none"> • Version Control 	Coursera	Implement Version Control systems. Navigate and configure using the command line. Use a GitHub repository. Create a GitHub repository. Manage code revisions	<ul style="list-style-type: none"> • Beginner level • 13 hours (approximately)
Course 4	Developing Solutions for Microsoft Azure	<ul style="list-style-type: none"> • Azure Development 	Microsoft Learn	This course primarily uses the Azure portal and command line interface to create resources and does not require scripting skills. Gain confidence to take other role-based courses and certifications, such as Azure Administrator. This course will also help prepare for the AZ-204 exam.	<ul style="list-style-type: none"> • Intermediate level • 15 hours (approximately)
TOTAL HOURS					68 hours (approximately)

