COURSE & SYLLABUS INFO

APPLIED DEVOPS



ABOUT THE PROGRAM

OVERVIEW

The need for DevOps skills has always been there and the rise in agile software delivery has accelerated the need for a paradigm shift within the world of IT operations. With the right DevOps tools and systems in place, SysAdmins and operations teams can match application development agility with infrastructure provisioning speed. DevOps is on the rise and DevOps engineers command extremely high salaries and a job market demand to envy.

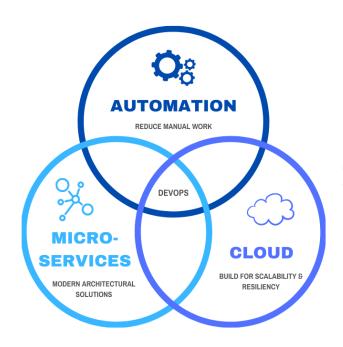
The Applied DevOps Certificate Program is created to help new graduates, IT professionals and career switchers break into the DevOps space. The learning package includes 6 months of intense training and 6 additional months of job support after graduation. This program is very intensive and requires both time commitment and focus. However, the hard work will pay off and you will be proud of your accomplishments.

FOR THOSE WHO WANT TO

Learn in-demand skills to become a DevOps engineer

Gain hands-on best practice experiences through end-to-end DevOps projects and build a strong portfolio

Receive support through the learning journey and beyond



PROGRAM DETAILS

24 WEEKS

144 lectures hrs + 96 tutorial hrs

THURSDAY

6:00PM - 9:00PM EST/EDT

4:1 RATIO

4 students: 1 teacher

ONLINE LIVE

Interactive Classroom

SUNDAY

9:00AM - 12:00PM EST/EDT

4 PROJECTS

to gain hands-on experiences

PREREQUISITE

- Basic IT knowledge (e.g. hardware, software, basic networks)
- Basic knowledge of Linux OS
- Basic knowledge of at least one programming language (e.g. Python, Java, Javascript)

WHAT YOU WILL LEARN

You will gain fundamental DevOps knowledge and learn essential skills in the classroom. To solidify the theory you will practice what you learn in group projects and complete an end-to-end DevOps pipeline that requires the use of industry best practices and tools including Terraform and Kubernetes.



PROGRAM SERVICES



PRE-BOOTCAMP SERVICES

One-on-one meeting with program manager and support staff to design a personalized learning path that fits your goals and background.

Over 30 hours of learning materials, labs, and exercises

to get you familiar with fundamental DevOps knowledge and skills including Git, application development, Jenkins, Docker, Kubernetes and Terraform.





Self-paced learning guided and powered by our unique learning management system

where you can watch lectures, work on your codes, test your progress with live quizzes, track your learning journey, and communicate with instructors and TA's.

ONLINE LIVE LEARNING

During the bootcamp, you will get:

Immersive, accelerated learning experience with tested and most efficient curriculum

Instructor-led live lectures covering in-demand DevOps skills, knowledge and techniques





Labs, projects and quizzes that are designed to help you solve real-world business problems in various industries

Code review on assignments, quizzes and projects with faculty and peers

CAREER SERVICES

You will receive dedicated support from career services throughout the program:

- One-on-one counselling to set your career goal, assist your job search, and track your progress
- Build a resume and professional DevOps portfolio to demonstrate your skills and project experience
- Build up an industry network through guest seminars, panel discussions and partner workshops
- Alumni referral network & WeCloudData community



PROJECTS

Academic Projects & Final Capstone Project

- Students will work on academic projects that reinforce skills in application development, CI/CD, container technologies and infrastructure-as-code
- These academic projects will help the students progress towards a final capstone project that showcases the student's ability to build an end-to-end DevOps pipeline























WEEK 1

DevOps Fundamentals	AWS
 Introduction to DevOps Linux OS & basic commands Shell scripting Git essentials Network essentials 	Access control & billingAWS cloud networksEC2 & S3Lambda
week 3 Application Development Essentials	WEEK 4 Containers
Advanced GitPython appJava appJavascript app	 Introduction to containers Dockerfile Build application in Docker Docker remote repositories
WEEK 5 Container Orchestration I	WEEK 6 Container Orchestration II
 Introduction to container orchestration Introduction to Kubernetes Pods, deployments, services 	Kubernetes in the cloudKubernetes & Helm
WEEK 7 Observability System	WEEK 8 Break, Catch-up & Review
Observability System • Logging system	Break, Catch-up & Review
 Observability System Logging system Monitoring system WEEK 9	Break, Catch-up & Review (((WEEK 10
 Observability System Logging system Monitoring system WEEK 9 Midterm I	WEEK 10 Infrastructure-as-Code I Infrastructure-as-Code Fundamentals Introduction to Terraform & Terraform fundamentals End-to-end infrastructure with Terraform
Observability System Logging system Monitoring system WEEK 9 Midterm I Midterm I	WEEK 10 Infrastructure-as-Code I Infrastructure-as-Code Fundamentals Introduction to Terraform & Terraform fundamentals End-to-end infrastructure with Terraform AWS CloudFormation WEEK 12

WEEK 2

WEEK 13

CI/CD II	Break, Catch-up & Review
AWS CodebuildGitHub ActionsTravisCl, CircleCl	
WEEK 15 Midterm II	WEEK 16 Advanced Topics I
Midterm II	Deployment Strategies IDeployment Strategies II
WEEK 17 Advanced Topics II	WEEK 18 Advanced Topics III
Security I Security II	Service MeshAPI GatewayHashicorp Packer
WEEK 19 Advanced Topics IV	WEEK 20 Guest Lectures & Bonus Topics
Introduction to GitOpsFluxArgoCDJenkins Xt	Guest Lectures & Bonus Topics
week 21 Break, Catch-up & Review	WEEK 22 Midterm III
	• Midterm III
WEEK 23 Panel Discussions & Final Capstone Project Prep	WEEK 24 Final Capstone Project
Panel DiscussionsFinal Capstone Project Prep	Final Capstone Project Presentations

WEEK 14

ADMISSION PROCESS

Book a Counseling Meeting



Pass the Challenge



Reserve the Spot & Sign the Contract



Start your Pre-bootcamp Learning



Our program advisor will have a 1-on-1 meeting with you to see if the program is a good fit for you. There is no application fee. It takes about 30 minutes There will be a technical test and an interview.
Applicants spend up to 2 hours on the challenge.

Our admission officer will work with you directly to help you fill out a contract, pay \$500 deposit and assist you to apply any kind of grant and finance options.

Starting ahead will gain you more experience and competence. Research shows that preview and preparation account for 73.7% success in academic achievement of university students.

TUITION, GRANTS AND FINANCE OPTIONS

\$9,100 CAD

As an Ontario registered private career college, you can apply for student line of credit from BMO with lower interest rate.

SCHOLARSHIP

WeCloudData is offering student scholarships. Please contact our advisor for more information.

GRANT

With Ontario Second Career grant you may be eligible for up to \$28,000 for costs including: tuition, books, manuals, transportation, basic living allowance, child care.

CONTACT US

Contact our program advisor, Amir, for more information amir.asadian@weclouddata.com

