COURSE & SYLLABUS INFO



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.

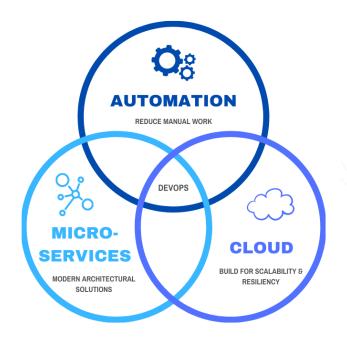
The Applied DevOps Certificate Program is created to help new graduates, IT professionals and career switchers break into the DevOps space. The learning package includes 6 months of intense training and 6 additional months of job support after graduation. This program is very intensive and requires both 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

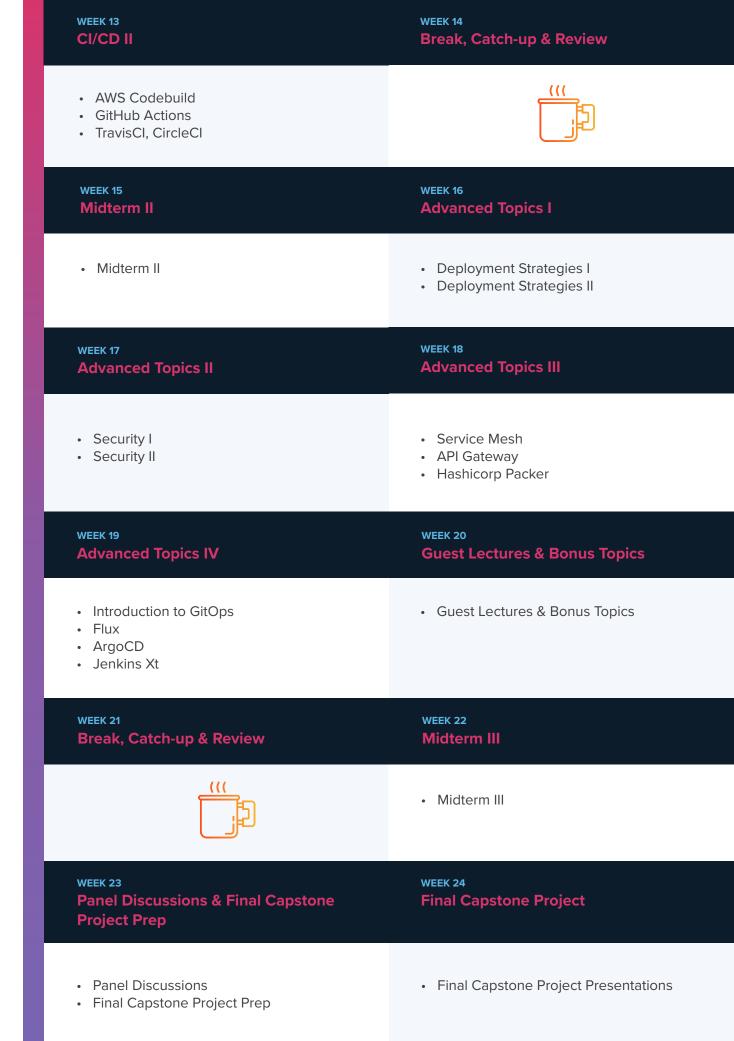
• Students will work on academic projects that reinforce skills in application development, CI/CD, container technologies and infrastructure-as-code

• 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	WEEK 2
DevOps Fundamentals	AWS
 Introduction to DevOps Linux OS & basic commands Shell scripting Git essentials Network essentials 	 Access control & billing AWS cloud networks EC2 & S3 Lambda
WEEK 3	WEEK 4
Application Development Essentials	Containers
 Advanced Git Python app Java app Javascript app 	 Introduction to containers Dockerfile Build application in Docker Docker remote repositories
WEEK 5	WEEK 6
Container Orchestration I	Container Orchestration II
 Introduction to container orchestration Introduction to Kubernetes Pods, deployments, services 	Kubernetes in the cloudKubernetes & Helm
week 7	week 8
Observability System	Break, Catch-up & Review
Logging systemMonitoring system	
weeк 9	WEEK 10
Midterm I	Infrastructure-as-Code I
• Midterm I	 Infrastructure-as-Code Fundamentals Introduction to Terraform & Terraform fundamentals End-to-end infrastructure with Terraform AWS CloudFormation
WEEK 11	WEEK 12
Infrastructure-as-Code II	CI/CD I
 Configuration Management with Ansible Part I Configuration Management with Ansible Part II 	 Introduction to CI/CD Jenkins fundamentals & freestyle Jenkins pipeline

CURRICULUM



ADMISSION PROCESS



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

\$8,600 CAD

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

EARLY BIRD:

- 15% off if register before January 31, 2022
- 10% off if register before February 28, 2022
- 5% off if register before March 2, 2022 Bootcamp will start on **March 3, 2022**

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@we** clouddata.com