



coursera
for campus

Professional Certification Program

DevOps Mastery Program Overview

Our 6-month DevOps certificate program is designed to help you master essential DevOps skills that are highly sought after in today's job market. This program is based on the most relevant DevOps courses available on Coursera and is enriched with practical cases and personalized projects crafted by experienced instructors from MUST University.

You will learn foundational DevOps principles, concepts, and essential tools such as containerization using Docker and Kubernetes, Version Control Systems and Linux Shell Commands. You'll also discover how to implement these technologies in an Agile Development framework, including Scrum.

We will focus on advanced topics like Test Driven Development, Infrastructure as Code, and CI/CD automation. You'll bring everything together by working on a hands-on project to apply these skills. Join us to gain expertise in the crucial DevOps tools employers are seeking and jumpstart your career in the dynamic field of DevOps.

This program is your gateway to mastering these in-demand skills and building a thriving career.



Format
Blended learning



Language
English & French



6 months
Flexible Schedule



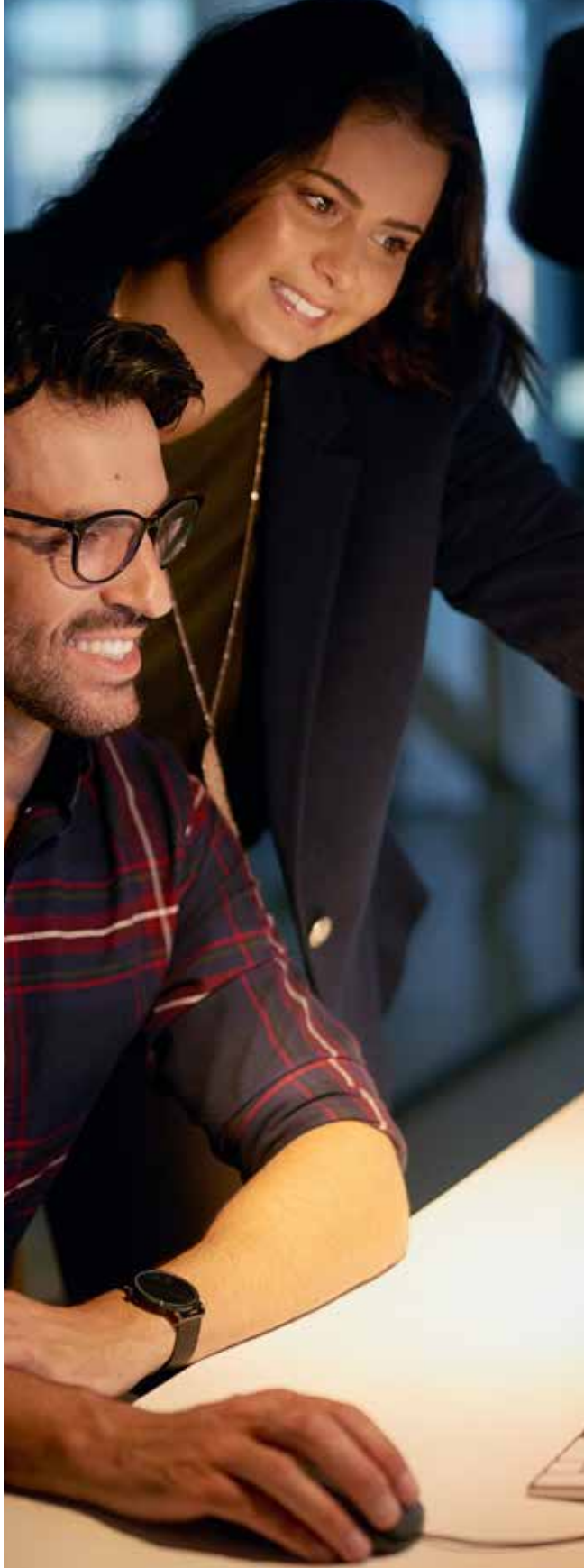
Cost
TND 2.800
(Fees covered by TFP)



MUST University
LAC 3, Tunis



PROGRAM TOPICS



Topic 1 – Topic 3:

DevOps fundamentals, cloud computing, and agile methodologies (Scrum).

Understand DevOps culture, collaboration practices, cloud service models, and agile project management principles.

Topic 4 – Topic 6 :

Software engineering, Git/GitHub, and Linux/shell scripting.

Learn core software development practices, version control workflows, and command-line operations for automation.

Topic 7 – Topic 8 :

Python programming and AI application development with Flask.

Develop programming skills and build simple AI-powered web applications.

Topic 9 – Topic 10 :

Containers and microservices/serverless architectures.

Design and deploy scalable applications using Docker, Kubernetes, and modern distributed architectures.

Topic 11 – Topic 12 :

TDD/BDD and CI/CD pipelines

Implement automated testing strategies and continuous integration/delivery workflows.

Topic 13 – Topic 14 :

Security and monitoring in DevOps

Apply security best practices and monitor system performance and reliability.

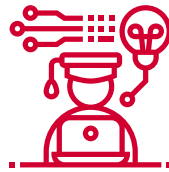
Final Project :

DevOps Capstone Project

Scope: Integrate and apply all acquired skills in a real-world DevOps project.

ABOUT THE PROGRAM

On-line Courses



Access to quality online content
from MUST & Coursera.

On Campus Sessions



Ensures that online modules
are done & quizzes
are successfully passed



Focuses
on case studies



Discussions
& Multiple
simulations



Working on a business challenge
that's relevant to each
participant and their company

BENEFITS FOR EMPLOYEES, IT PROFESSIONALS



Official Proof of Competence :

The program will provide you with official proof of competence and keep you updated with the latest knowledge in the DevOps domain.

Distinguished Achievement :

It will set you apart as an achiever and keep you ahead of your competitors in the ever-evolving tech industry.

Expanded Career Opportunities :

Completing the program can open doors to a wider range of career opportunities within the IT and DevOps fields, allowing you to explore various roles and positions.

Problem-Solving Proficiency :

The program equips you with problem-solving skills that are invaluable in IT.

You'll be better prepared to tackle complex issues and find innovative solutions.

Transferable Skills :

Many of the skills you acquire, such as problem-solving, collaboration, and adaptability, are transferable to various industries and roles, making you a more versatile professional.

BENEFITS FOR EMPLOYERS/ ORGANIZATIONS



Reduced Costs :

Expect reduced costs due to the improved efficiency of your teams, streamlined processes, and more strategic organizational approaches.

More Work and Projects :

Your organization will be able to take on more work and projects confidently, thanks to a team that is well-trained and qualified.

Faster Time-to-Market :

The improved efficiency and automation skills gained from the program can lead to shorter development cycles and quicker product releases, giving your organization a competitive advantage.

Scalability and Flexibility :

With a DevOps-trained team, your organization can scale its operations more easily and adapt to changing business needs, ensuring long-term viability and success.

Consistency and Quality :

The program emphasizes standardized processes and automated testing, which leads to higher-quality deliverables and a reduction in defects and errors.

Cultural Transformation:

DevOps often involves a cultural shift towards collaboration and shared responsibility. As your team embraces these cultural changes, it can lead to a more cohesive and productive work environment.

Client Satisfaction:

Higher-quality products, quicker responses to client needs, and efficient troubleshooting lead to increased client satisfaction, potentially resulting in improved client retention and new business opportunities.

WHO IS THIS PROGRAM FOR?



DevOps Developers :

These are tech-savvy professionals who are entrusted with translating business objectives into software designs and implementing them into executable software solutions.

Individuals :

Anyone with an interest in mastering DevOps practices and principles to advance their careers in the technology industry.

Software Engineering Managers :

Managers who want to understand and implement DevOps practices within their teams and projects.

Business Stakeholders :

Individuals involved in decision-making and strategy at the intersection of technology and business.

Consultants :

Professionals who provide expert advice and solutions to organizations looking to adopt DevOps practices.

IT Directors :

Those responsible for the overall IT strategy and direction within an organization.

AFTER THIS COURSE YOU WILL BE ABLE TO



- Master essential DevOps tools.
- Implement Agile and Scrum methodologies.
- Use Docker and CI/CD pipelines effectively.
- Embrace Test-Driven Development (TDD).
- Gain hands-on project experience.
- Collaborate effectively in cross-functional teams.
- Launch your DevOps career with confidence.

PROGRAM INSTRUCTORS



John Rofrano
Senior Technical Staff
Member and DevOps
Champion
IBM



Alex Parker
Offering Manager for
IBM Cloud Kubernetes
Service
IBM



Alfredo Deza
Adjunct Assistant
Professor in the Pratt
School of Engineering
Duke University



Mohit Chandarana
Data Products (ML)
Research Scientist
IBM



Noah Gift
Executive in Residence and
Founder of Pragmatic AI Labs
Duke University

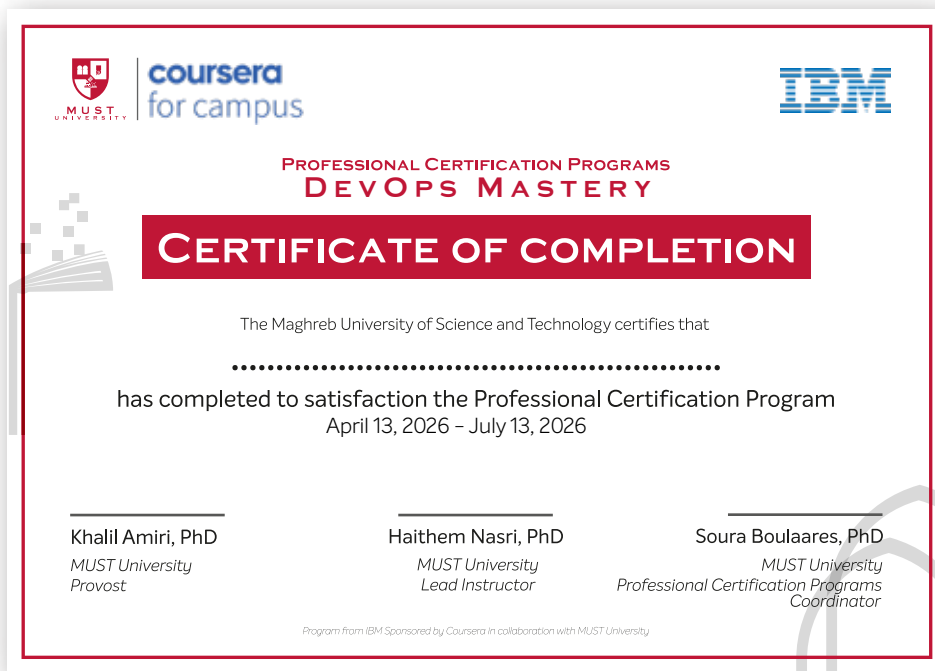


Rav Ahuja
Global Program
Director
IBM



On-campus Instructor
Dr. Haithem Nasri
DevOps & Cloud Engineering Instructor
Engineering Manager & Distributed Systems Expert

CERTIFICATE



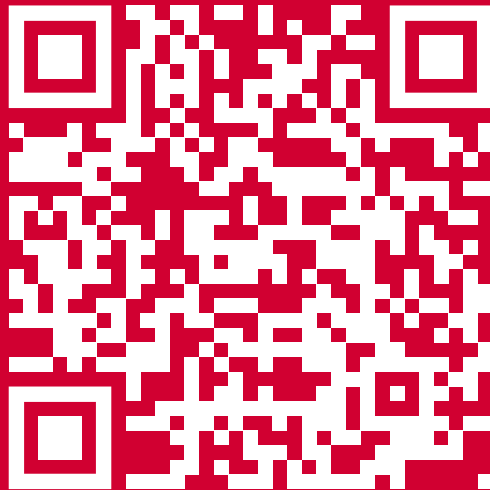
The image is for illustrative purposes only. The actual certificate may be subject to change at the discretion of the university.



Grab this
Life-changing Opportunity

Special
Price
2800 TND
(TFP refund)

Apply Now



Z. A. Kheireddine , Le Kram,
Lac 3, Tunis, Tunisia

+216 52 294 294

pcp@musteducation.tn

www.mustuniversity.tn