WELCOME TO
REFONTE

DevOps Engineering

Refonte Learning

The DevOps Engineer Training and Internship Program is meticulously crafted to equip aspiring DevOps professionals with the essential skills required in the fast-evolving tech industry.
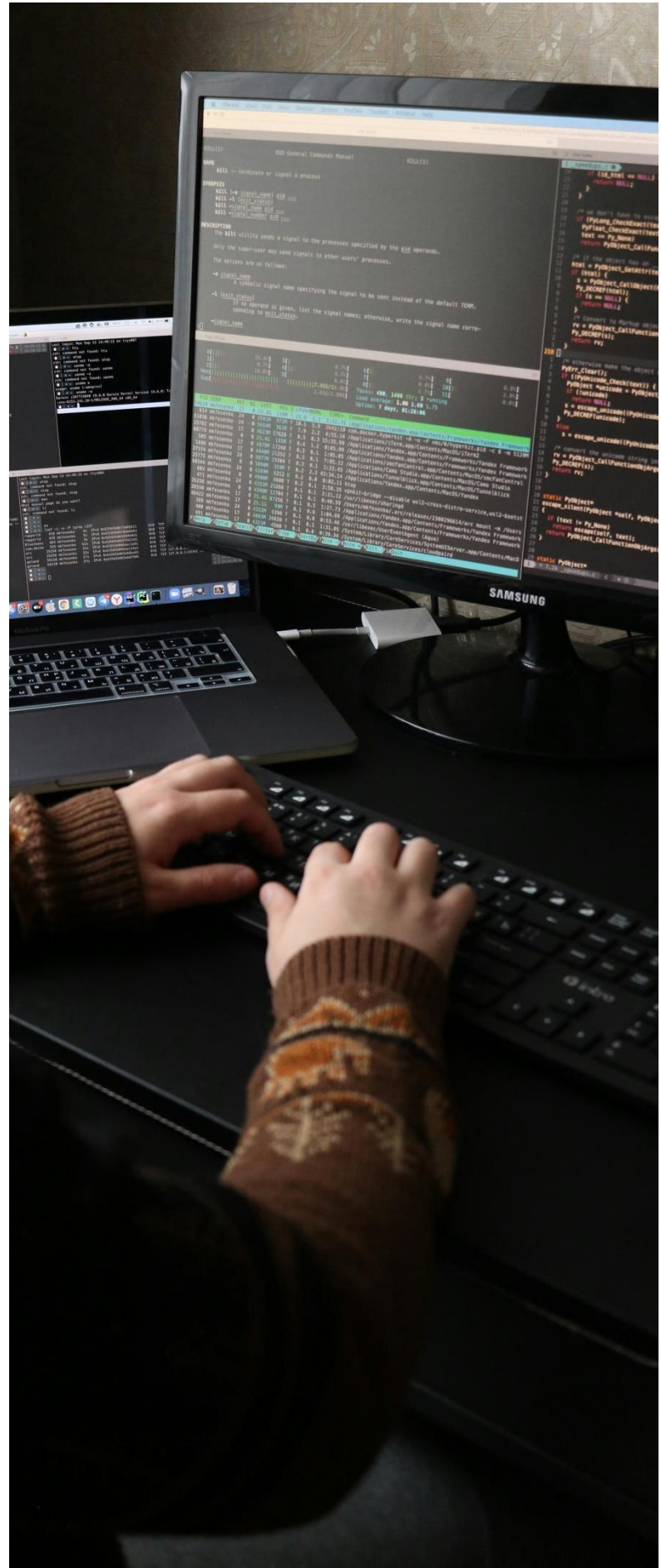
This program focuses on continuous integration, continuous delivery, infrastructure as code, monitoring, and collaboration practices essential for a successful DevOps career.

The curriculum is meticulously designed for individuals who are not only eager to master the comprehensive DevOps lifecycle but also driven to acquire a profound and nuanced understanding of every critical phase involved. This includes the intricacies of continuous integration, continuous delivery, infrastructure as code, automated testing, deployment strategies, and proactive monitoring. The program is tailored to cater to participants with varying levels of expertise, ensuring that even those with minimal or no prior experience in DevOps can build a solid foundation and progressively develop the advanced skills.

REFONTE INTERNATIONAL TRAINING AND INTERNSHIP PROGRAM (RITIP) IN DEVOPS ENGINEERING

Elevate your technical expertise and propel your career forward with our tailored Professional Certificate in DevOps Engineering. Developed to meet the demands of the modern tech landscape, this program is ideal for recent graduates and professionals aiming to specialize in the DevOps field. Through immersive hands-on labs and real-world projects, you will gain extensive exposure to mastering the essential tools and practices of DevOps, including automation, continuous integration, and cloud infrastructure management. The program is offered in a flexible online format, enhanced by personalized mentorship that includes live sessions, self-paced video tutorials, and dedicated lab sessions, ensuring you acquire the skills needed to thrive in today's dynamic DevOps environments.
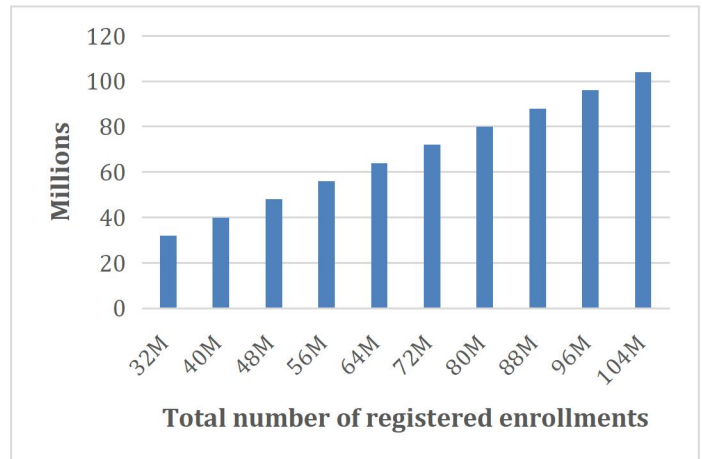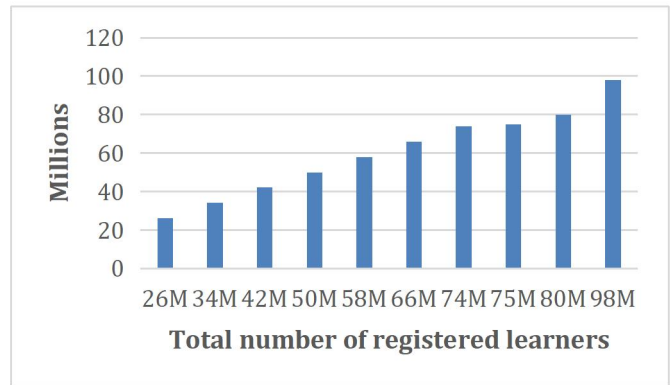
Details of the course:

- Experience hands-on learning in Practical DevOps Engineering.

- Engage in live classes held weekly.

- Access additional modules for a comprehensive learning experience.

- Gain practical experience through real-life case studies.

Registration

Enrollment is now open for our latest DevOps Engineering cohort. Don't miss this opportunity to advance your skills and accelerate your career! For more information and to secure your spot, please visit our website at www.refontelearning.com. We look forward to welcoming you to our program!

Total number of registered learners

Total number of registered enrollments

Toolkit Components:

Version Control and CI/CD

• **Git**

• **GitHub/GitLab**

• **Jenkins**

• **Travis CI**

• **GitHub Actions**

Containerization and Orchestration

• **Docker**

• **Kubernetes**

• **Helm**

Cloud Services and Infrastructure as Code

• **AWS**

• **Google Cloud**

• **Azure**

• **Terraform**

• **Ansible**

Monitoring and Logging

• **Prometheus**

• **Grafana**

• **ELK Stack**

• **Splunk**

Collaboration and Documentation

• **Slack / Microsoft Teams**

• **JIRA / Trello**

• **Markdown / Confluence**

Training Learning Path:

1 - Introduction to DevOps

- Overview of DevOps principles and practices.

- The DevOps lifecycle: Continuous Integration, Continuous Delivery, Continuous Deployment.

- Understanding Infrastructure as Code (IaC) and its importance.

2 - Front end Development

- Mastering Git for version control.

- Using GitHub/GitLab for collaboration and CI/CD.

- Implementing CI/CD pipelines with Jenkins and GitHub Actions.

3 - Containerization and Orchestration

- Understanding Docker and containerization

- Deploying and managing applications with Kubernetes.

- Using Helm for Kubernetes application management.
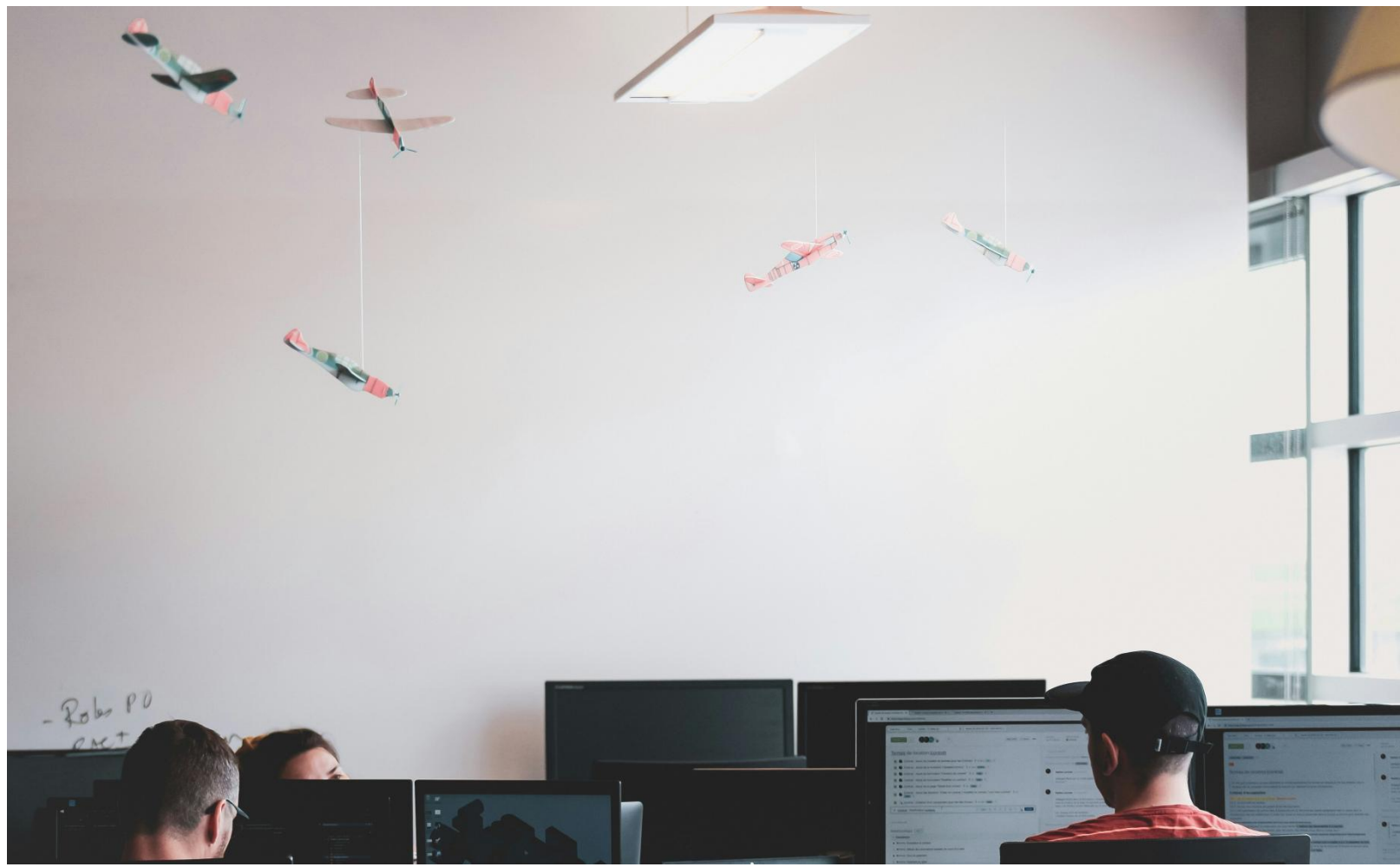
4 - Cloud Infrastructure and Automation

- **Deploying scalable applications on AWS/Google Cloud/Azure.**

- **Automating infrastructure with Terraform and Ansible.**

- **Best practices for cloud security and cost management.**

5 - Monitoring and Logging

- **Setting up monitoring with Prometheus and Grafana.**

- **Implementing centralized logging with the ELK Stack.**

- **Analyzing log data for troubleshooting and optimization.**

Program Curriculum:

- Eligibility:

    - Mandatory: Bachelor's Degree (in any field) with a minimum 50% aggregate score at Graduation.

- Duration: 3 Months

- Time Commitment: 12-14 Hours per Week

Capstone Projects:

Participants will work on real-world projects to apply the skills learned:

- Implementing a CI/CD pipeline for a microservices application.

- Deploying a highly available and scalable web application on Kubernetes.

- Automating cloud infrastructure provisioning with Terraform.

- Setting up a comprehensive monitoring and alerting system using

  Prometheus and Grafana.

Internship Duties and Responsibilities

During the internship, participants will apply their skills in real-world settings, working on projects that reflect industry needs:

- Collaborating with development teams to streamline the CI/CD process.
- Managing and scaling containerized applications using Kubernetes.
- Automating deployment processes with Jenkins and Terraform.
- Monitoring application performance and resolving incidents in real-time.
- Ensuring the scalability and performance of applications.
- Emphasizing the importance of ethical conduct and fostering soft skill development throughout the organization.

Domain of Internship Projects

- E-commerce and Retail
- Web and Social Media Analytic
- Banking and Stock Market
- Supply Chain and Logistics Analytic
- Healthcare and Insurance
- Finance and Risk Analytic

Our program encompasses a diverse array of projects tailored to offer hands-on experience and cultivate skills highly sought after by employers. This entails engaging in projects that mirror real-world situations, enabling students to acquire practical experience and hone skills highly prized by employers.

Program Structure

Introduction Session

LinkedIn Profile Development and Personal Bonding Session

Core Training and Internship Projects

Resume Building Workshop

Closing Session

Distribution of Resumes to Companies

CERTIFICATE OF COMPLETION FOR OUR TRAINING PROGRAM

CERTIFICATE

OF APPRECIATION

This certificate is presented to:

John Doe

This certificate is given to John Doe for achieving his training in
Data Analysis in UK under Refonte Learning

REPRESENTATIVES

DATE: 01-01-2024

RLTPXXXXXXX

SAMPLE INTERNSHIP CERTIFICATE

CERTIFICATE

OF ACHIEVEMENT

This certificate is presented to:

John Doe

This certificate is given to John Doe for achieving his training in Data Analysis in UK under Refonte Learning

REPRESENTATIVES

DATE: 01-01-2024

RLTPXXXXXXX

Frequently Asked Questions:

Q: How long is the program duration?

A: The program spans a 3-month training and internship period.

Q: Will participants receive a certificate upon completion?

A: Yes, participants will be awarded a certificate for both the training and internship phases.

Q: Is the internship paid?

A: No, the internship is unpaid.

Q: Will participants receive mentorship?

A: Yes, participants will receive personalized 1:1 mentorship.

Q: What industries will participants work with during the internship?

A: Participants will have the opportunity to collaborate with companies across various industries, depending on their skill set.

Q: Is there a fee for the training program?

A: Yes, a minimal fee is required for participation in the training program.

Q: What is the program format?

A: The program comprises a blend of training sessions and internship experience, supplemented by 1:1 mentorship.

REFONTE LEARNING SUPPORT

Student Support Team:
- Our dedicated Student Support team is available around the clock, 7 days a week.
- Feel free to reach out to us anytime at official@refonteinfini.com.

Industry Mentors:
- Benefit from exceptional guidance provided by industry mentors, teaching assistants, and graders.
- Receive individualized feedback on your submissions and tailored guidance for improvement.

Doubt Resolution:
- Utilize our Q&A Forum for prompt resolution of doubts by industry experts and peers.
- Rest assured, all responses are expert-verified to ensure the highest quality of learning.

Expert Feedback:
- Receive personalized expert feedback on assignments and projects.
- Engage in regular live sessions conducted by experts to address any concept-related doubts you may have.

CONTACT US

official@refontelearning.com

REGISTER NOW!

Refonte Learning