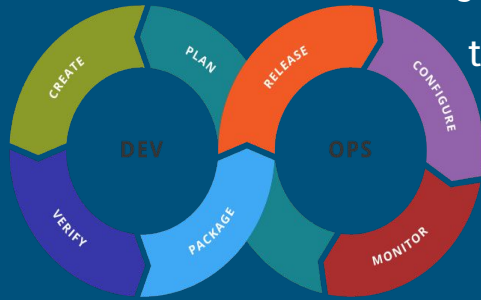




# MotivaLogic Academy

## DevOps

Bridging the Gap Between Traditional Institutional Education  
&  
the Practical Experience Demanded by the Industry



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# Who We Are

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**MotivaLogic Academy is a leading end-to-end, EdTech bootcamp. The programme is designed for beginners, with no previous experience in IT or those simply looking to make a career change to DevOps.**

**With a global shortage of DevOps skill sets, we motivate, train and empower students from various backgrounds with relevant skills to start a career in DevOps, bridging the skill sets gap.**

**We focus on job-ready skills with guaranteed work experience helping you to gain the required skills and experience to land your dream job.**

# What Makes MotivaLogic Academy Unique

## Practical Training and Work Placement

We prioritize project-based learning to ensure students acquire hands-on experience in addressing real-world challenges, giving you the opportunity to experience real workplace environment through participation in live DevOps projects utilizing SCRUM Agile methodology.

## Experienced and AWS Certified Instructors

Our bootcamp is led by a team of seasoned, AWS Certified Instructors and industry professionals who bring real-world expertise to the classroom.

## Cutting-Edge Curriculum

Our bootcamp showcases state-of-the-art, industry-aligned courses developed in collaboration with technology experts and leading employers. This ensures that students are equipped with the most current skills and knowledge essential for success in the DevOps field.

# What Makes MotivaLogic Academy Unique

## **Comprehensive Career Support**

Recognizing the importance of guiding students toward successful careers, our dedicated career services team offers personalized assistance. This includes CV and LinkedIn profile reviews, interview coaching, job placement support, and a structured on-the-job support.

## **AWS Partner Network (APN)**

As recognized AWS Partners, our students enjoy various benefits, including reimbursement of AWS Certification exam fees. Access to Past Examination Question Bank.

## **Work Reference**

Employers give preference to candidates who can provide evidence of satisfactory performance in a previous role. We provide documented work references to prove that you are a strong candidate for the job.

# What Makes MotivaLogic Academy Unique

## **DevOps Institute Accreditation**

We are an accredited and licensed organization for the DevOps Institute, a globally recognized certification agency for DevOps. We provide training and issue DevOps certifications that hold global recognition.

## **Lifelong Learning and Skill Enhancement**

We offer ongoing opportunities for lifelong learning and alumni benefits. This ensures that graduates stay current with emerging technologies and industry trends.

## **Self-Learning Portal App**

Our self-learning portal enables students to conveniently access rich and valuable technical knowledge from their phones and laptops. This flexible learning option promotes continuous skill enhancement

# About the Programme

MotivaLogic Academy offers the following:

## 1. DevOps Master Class bootcamp (12 Weeks)

- 60+ hours of live instructor-led classes
- Complete DevOps Lifecycle Technologies
- 20+ real-world self-paced DevOps projects
- Daily Blocker Resolution Session
- Certificate of Completion
- AWS and DevOps Institute free certification exams

# About the Programme

## **2. Python Programming & FastAPI (12 Weeks)**

- **An hour of live instructor-led classes + 8 hours of self paced learning**

## **3. DevOps Work Placement (16 Weeks)**

- **Onboarded to an European Company for work placement/internship**
- **4 Live real-world projects**
- **Real-time collaboration with other interns within the US / Canada time zones**
- **Project delivery using Agile methodology**
- **Work reference provided**
- **Career support (CV / LinkedIn Profile review, Interview coaching & on the job support)**

# Programme Outcome

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**The 7 Months Cloud DevOps Training will equip you for a career in DevOps, a rapidly developing industry that connects software developers and operations. You'll become a specialist in the ideas of continuous development and deployment, configuration management automation, inter-team communication, and IT service agility, all while utilizing DevOps technologies like Git, Docker, Jenkins, Ansible, Kubernetes and others.**

# Class Schedule

## **DevOps Bootcamp:**

- **Saturdays ( 1:00 pm to 6:00 pm GMT / 8:00 am to 1:00 pm EST)**

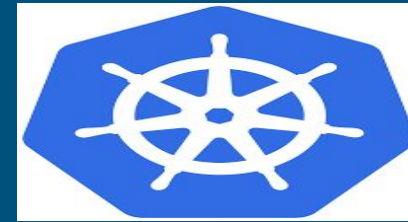
## **Python Programming:**

- **Sundays ( 6:00 pm to 8:00 pm GMT / 1:00 pm to 3:00 pm EST)**

## **DevOps Internship / Work Experience:**

- **Weekdays ( 9:00 pm to 11:00pm GMT / 8:00 pm to 10:00 pm EST)**

# Technologies and Tech Stacks



# Programme Curriculum

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## 1. Introduction to Cloud Computing and DevOps

- a. Cloud Infrastructure
- b. Understanding DevOps principles and culture
- c. DevOps tools and technologies

## 2. AWS Compute - Elastic Compute Cloud & Elastic Block Store

- a. Introduction to AWS core services with Hands on labs
- b. Introduction to Linux & Linux file permission (Self-Study)

# Programme Curriculum

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## **3. AWS Storage & Security-Amazon S3 & Identity & Access Management**

- a. Creating & Managing S3 Buckets
- b. Static Website Hosting
- c. Static Website Versioning
- d. Life Cycle Policies
- e. Securing Data with Buckets Policies

## **4. AWS Route 53 & AWS Serverless - Amazon Route 53 & AWS Lambda**

- a. Introduction to AWS Route 53 & Serverless computing
- b. Introduction to AWS Lambda and SNS
- c. Introduction to Transcribe
- d. Introduction to Networking and IP Addresses (Self-Study)

# Programme Curriculum Continued

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## 5. AWS Virtual Private Cloud (VPC)

- a. Creating and Configuring VPC Subnets
- b. Setting Up Route Tables and Internet Gateways
- c. Securing Network Traffic with Security Groups and Network ACLs

## AWS Highly Available System (Elastic Load Balancing)

- d. Configuring Elastic Load Balancing for High Availability
- e. Creating Target Groups and Health Checks
- f. Optimizing Listener Rules and Security for ELBs

# Programme Curriculum Continued

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## 6. **AWS Highly Scalable System (Auto Scaling Group)**

- a. Setting Up Auto Scaling Groups and Scaling Policies
- b. Configuring CloudWatch Alarms for Automated Scaling
- c. Managing Auto Scaling for Cost-Effectiveness and Performance.

## **Version Control and Collaboration using Git**

- d. Mastering Basic Git Commands and Version Control Workflows
- e. Branch Management and Resolving Merge Conflicts
- f. Collaborating with GitHub and Integrating with DevOps Pipelines

# Programme Curriculum Continued

- 7. Infrastructure as Code (IaC) using Terraform and Its Integration with VCS**
  - a. Introduction to Terraform and HCL Syntax
  - b. Provisioning Infrastructure with Terraform
  - c. Integrating Terraform with Version Control Systems (VCS)
  
- 8. Configuration Management using Ansible and Its Integration with IaC & VCS**
  - a. Introduction to Ansible and Writing Playbooks
  - b. Integrating Ansible with Terraform for Infrastructure Automation
  - c. Version Control and Collaboration with Ansible, Terraform, and VCS

# Programme Curriculum Continued

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9. **Continuous Integration and Deployment Using Jenkins and Its Integration with IaC & VCS**
    - a. Introduction to Jenkins and Creating CI/CD Pipelines
    - b. Automating Build and Test Processes with Jenkins
    - c. Integrating Jenkins with Terraform for Infrastructure Automation
    - d. Advanced Jenkins Features: Agents, Plugins, and Optimization
    - e. Version Control Integration and Automating Workflows with Git and GitHub

# Programme Curriculum Continued

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## 10. Cloud Deployment and Orchestration

- a. Introduction to Containerisation
- b. Introduction to Docker
- c. Containerisation and container orchestration using Docker and Docker Compose.
- d. Introduction to Kubernetes
- e. Container orchestration and deployment using Kubernetes to manage containerised applications at scale
- f. Helm: Introduce package management for Kubernetes and demonstrate how to deploy applications using Helm charts.

# Programme Curriculum

11. **Monitoring, Logging, and Analytics using NewRelic, Prometheus, Grafana and ELK stack/ Its Integration with IaC and VCS**
  - a. Monitoring infrastructure and application performance with Prometheus, Grafana
  - b. Monitoring and visualization using Prometheus for metrics and Grafana for dashboards.
  - c. Application performance monitoring and error tracking
  - d. Log aggregation and analysis using Elasticsearch, Logstash, and Kibana
  - e. ELK Stack (Elasticsearch, Logstash, Kibana): Introduce centralized logging and analysis of application logs and advance monitoring with New Relic.
  
12. **Security and Compliance**
  - a. Integrating security practices into the DevOps workflow
  - b. Vulnerability scanning and compliance checks.
  - c. OWASP: Raise awareness about common security vulnerabilities and best practices for securing applications.

# Programme Completion Requirement

## **DevOps Masterclass (12 Weeks)**

- 1. 20 Self-based Projects**
- 2. 12 Labs**
- 3. 1 Capstone Project**

## **DevOps Full Programme (16 Weeks)**

- 1. 4 Enterprise Application Projects**
- 2. Python Programming, and FastAPI**
- 3. Project Defense**

# Certificate



# Contact Us



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