

# LION TECH CONSULTING TRAINING CORP



CORPORATION NUMBNER: 1462578-1/ BIN: 1000903584

ADDRESS: 62 COMMERCE PARK DR,  
BARRIE, ON L4N 8W8

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## LIONTECH DEVOPS AND CLOUD COMPUTING PROGRAM



**LION TECH SOLUTIONS**

### DEVOPS & DEGREE MASTER PROGRAM

STUDY DEVOPS WITH AWS, KUBERNETES & LINUX

JOIN LION TECH & DEVOPS ENGINEERS  
**Making Up To \$190,000/Year**

**JOBS AFTER GRADUATION**  
IT PROJECT MANAGER & SCRUM  
INFRASTRUCTURE ENGINEER  
KUBERNETES ENGINEER  
IT PROJECTS MANAGER  
DEVOPS ENGINEER  
PLATFORM ENGINEER  
AWS CLOUD ENGINEER  
DEVSECOPS ENGINEER  
SITE RELIABILITY ENGINEER

**SESSIONS**  
**MON - WED**  
5AM - 7AM EST  
7PM - 9PM EST  
**FRI - SUN**  
7PM - 10PM EST

**COURSE BONUSES**  
BootCamp  
Interview Review  
Lifetime Profiling  
Cod At Work In Lion Tech

CONTACT INFORMATION  
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LIONTECHSOLUTIONS.ORG

## LIONTECH DevOps and Cloud Engineering Program

### Program Introduction

DevOps is a collaborative approach that bridges development and operations teams to streamline software delivery. Cloud computing provides scalable, on-demand resources for applications and services. In this curriculum, we'll explore how DevOps practices align with cloud technologies.

### Course Outline and Curriculum

#### Week 1- 3

##### Python Fundamentals:

- ❖ Learn Python from scratch, covering key concepts like variables, data types, loops, functions, and object-oriented programming.
- ❖ Explore Python libraries commonly used in DevOps, such as paramiko, netmiko, and napalm.
- ❖ Real-world examples of Python scripts for network automation with Cisco IOS, Arista EOS, or Linux

#### Week 3 - 5

##### Linux Basics:

- ❖ **Understanding Linux is crucial for cloud and DevOps.**  
Key topics:
  - ❖ Command-line basics
  - ❖ File system navigation
  - ❖ Permissions and users
  - ❖ Shell scripting

#### Week : 5 - 6

##### Networking and Operating Systems Fundamentals:

- ❖ **Networking Fundamentals:** Delve into network architectures, protocols, and device configurations.

#### Week: 6 - 8

##### source code management

Git , github, aws codecommit

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## WEEK 8 - 12

### APPLICATION BUILD -TESTING – CODE QUALITY - AND DEPLOYMENT

#### TOOLS COVERED:

- ❖ **Apache Maven, Ms Build - Pybuild** - Software Build Automation Technologies
- ❖ **Sonarqube** - Continuous Code Quality Inspection
- ❖ **Jmeter** - Performance and Load Testing

## WEEK 12 - 14

### Continuous Integration/Continuous Deployment (CI/CD):

- ❖ **Jenkins:** Set up CI/CD pipelines, Azure DevOps
- ❖ **GitLab CI/CD or GitHub Actions:** Explore other CI/CD tools.

## WEEK 14 - 20

### Containerization and Orchestration:

- ❖ **Docker:** Create, manage, and deploy Docker containers.
- ❖ **Kubernetes:** Understand container orchestration, deployments, and scaling.

## WEEK 20 - 24

### Infrastructure as Code (IaC):

- ❖ **Terraform:** Provision and manage cloud resources.
- ❖ **Ansible:** Learn configuration management and automation.

## WEEK 24 – 26

### CLOUD PLATFORMS

- ❖ **AWS:** Explore EC2, S3, VPCs, and other AWS services.
- ❖ **Google Cloud:** Learn about Compute Engine, Kubernetes, and BigQuery.
- ❖ **Azure:** Understand Azure VMs, Azure Functions, and Azure DevOps

## WEEK 26 -27

### SCRUM – METHODOLOGIES AND TECHNICAL DOCUMENTATION

## WEEK 27 - 32

### CAREER AND JOB PLACEMENT SERVICES

- Resume Development
- LinkedIn Profiling
- Job Applications
- Conferences and Networking Events
- Interview Preparations more.



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## CAREERS UPON GRADUATION AND CERFICATIONS

### DevOps Engineer

Responsible for bridging the gap between development and operations teams by automating deployment processes, managing infrastructure, and ensuring scalability and reliability of applications.

### Cloud Engineer

Specializes in designing, implementing, and managing cloud infrastructure and services. They work with cloud providers like AWS, Azure, Google Cloud to deploy and maintain cloud-based solutions.

### Site Reliability Engineer (SRE)

Focuses on ensuring the reliability, scalability, and performance of large-scale applications and systems. SREs use a combination of software engineering and IT operations skills to maintain system uptime.

### Systems Administrator

Manages and maintains an organization's IT infrastructure, including servers, networks, and applications. In a DevOps environment, systems administrators play a crucial role in automating tasks and streamlining processes.

### Automation Engineer

Designs and develops automated solutions for repetitive tasks, testing, and deployment processes. Automation engineers help improve efficiency and reduce human error in software development and operations.

### Cloud Architect

Designs and builds cloud-based solutions that meet the technical and business requirements of an organization. Cloud architects are responsible for creating scalable, secure, and cost-effective cloud infrastructures.

### DevOps Consultant

Works with organizations to implement DevOps practices, tools, and culture to improve collaboration, efficiency, and quality in software development and operations.

# GRATUATION AND CERIFICATION

## Cerfications

1. Diploma from LionTech Academy in DevOps and Cloud Computing
2. Diploma From Kesmond University international



**LIONTECH  
ACADEMY**

**BECOME AN  
INFRASTRUCTURE  
AUTOMATION ENGINEER**

**WITH  
PROF. ENGINEER  
DDIN ICE**

