



Trendnologies
Upskill & Upgrade Your IT Career

AWS DEVOPS

100% Placement Guarantee

**Supporting Job seekers in career change
and skill enhancement program**

TRENDNOLOGIES

We work with job seekers to meet them exactly where they are by offering personalized, customized support to meet their needs while assisting them in navigating their next career opportunity. Faced with the current realities of an ever-changing workforce, we believe our placement services must meet individuals exactly where they are. Our customized and personalized Training and Placement programs offers better career

AWS DEVOPS TRAINING

"AWS provides a set of flexible services designed to enable companies to more rapidly and reliably build and deliver products using AWS and DevOps practices. These services simplify provisioning and managing infrastructure, deploying application code, automating software release processes, and monitoring your application and infrastructure performance."

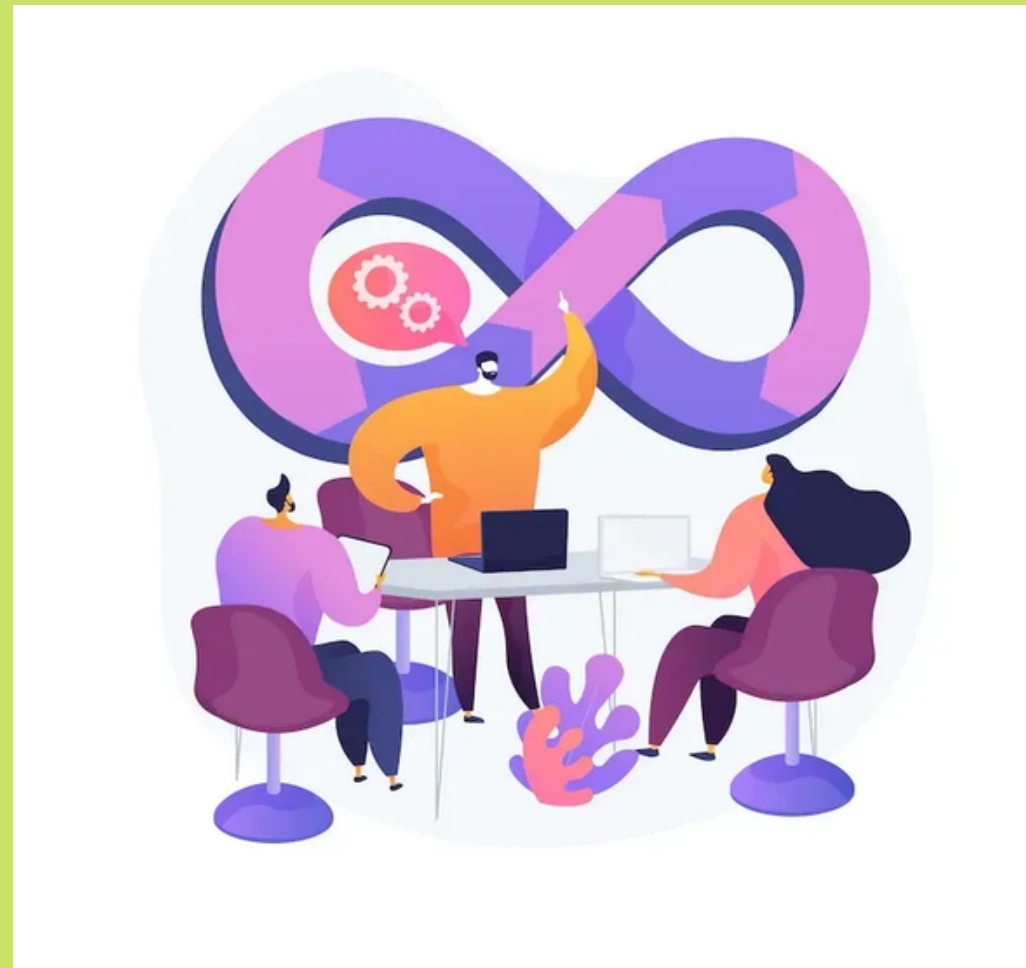
AUDIENCE FOR THIS COURSE

AWS DevOps Engineer, DevOps Junior Engineer, Cloud DevOps, IT professionals , Trainee DevOps Engineer Software Engineer , System administrators, Data analysts and , System architects, Data Engineers, Data Analysts & Professionals, Senior DevOps Engineer, Mainframe professionals, Graduates looking to build a career in IT Field and Aspirants looking to work as DevOps professional can apply for this course.

PRE-REQUISITES AND ELIGIBILITY

As a DevOps engineer has a very pivotal role to play in any organization, it is mandatory for one to be perfect in various technical and personal skills such as Coding, re-engineering of processes and collaboration.

AWS DEVOPS SYLLABUS



LINUX:

Linux Basics and Administration



- Linux is the only OS which is widely used in the market, So eventually most of the DevOps engineers need to work on the tools that runs on Linux OS.
- Also the evaluation criteria in Interviews. So, we will learn all the concepts related to Linux on real time servers on Cloud.
- Then we cover setting up project in AWS on Linux VMs and Managed Services

GIT:Version Control System



- **GIT is the most widely used VCS by most of the modern development projects. Since it has its own advantages over other tools.**
- **Services like GitHub makes even the things much simpler in using these tools.**
- **By end of this topic you will know how to manage code and commit the local changes and push the changes to remote repositories.**

BASH SCRIPTING: Scripting



- Shell scripting is an inevitable knowledge that one should know who works on Linux OS.
- This is very fundamental and gives scope to learn "How to Work" for a Beginner.
- We automate the project setup and configuration with Shell scripts and Makefile
- Bash is always a handy scripting to know and work

ANSIBLE : CM Tools & Methodologies



- **Ansible is currently a leader in the Configuration Management tools.**
- **Since, Shell Scripting has its limitations and imperative approach, Ansible comes as a simple solution which works global.**
- **We will be working with various options in Ansible and then we will implement the whole project in Ansible to support the way it requires in real time for multiple environments like "DEV", "PROD".**

JIRA : Project Management tool



Agile Methodology :

- **Jira is one of the most highly use Project Management Tool.**
- **In almost all the software development process, most of the effort is categorized and delivered incrementally using the approach called as AGILE.**
- **It's very important to know how the task alignment happens in the projects and all the process around it .**
- **So, we will manage our process and tasks on the same tool JIRA for project management.**

Branches & Strategy :



- In organizations, we typically promote the code over multiple branches with a PR or will go with trunk based strategy with just 2 to branches using Git Tags.
- These strategies are very important and highly needed in our day to day DevOps Job.
- So ,we will see both and will implement the same real time strategy to our project.

CLOUD NATIVE TECHNOLOGIES :



AWS

- Cloud Computing is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet (“the cloud”) to offer faster innovation, flexible resources, and economies of scale.
- Among the cloud war definitely AWS is the winner and only one widely used across so many companies.
- So we undergo learning AWS and the services needed for DevOps automations

TERRAFORM : IaC



- **Infrastructure as Code(IaC) is also a key and foundation for DevOps practices since modern applications are trying to achieve Immutable Infrastructure.**
- **Early days infra was the one of the most manual effort involved in the whole process of releasing the applications, But Terraform has solved the problem by providing a common syntax that works with multi-cloud.**
- **So we undergo completing our project with Terraform extensively all the topics in it. We will almost spend 20 hours on Terraform**

JENKINS : CI / CD Framework



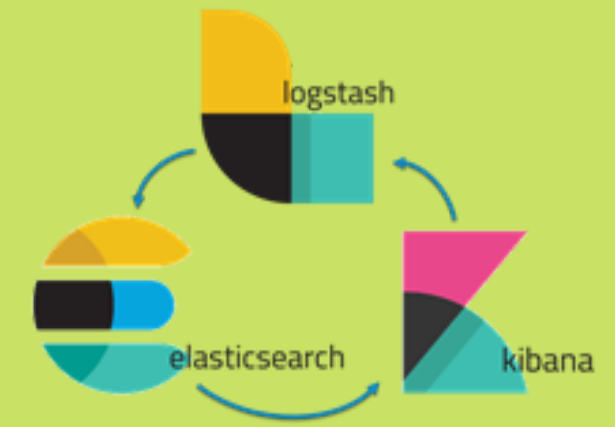
- Jenkins is well known for CI tool and is widely. It can be used as automation tool which can take care of running different automation tasks. Jenkins is also very rich in integration plugins.
- We will try to automate our effort with Jenkins which we perform manually for the project. Then we will use this as CI tool as well.
- Jenkins Slaves, Declarative Pipelines, Scripted Pipelines, Groovy based Shared Library, Seed Jobs and Jenkins vault and much more are going to be covered as a part of this training

GRAFANA: Monitoring & Alerting



- **Monitoring is the key factor in the operations world. Also getting the insights of the application usage and performance is also a very important factor helps you in proactively monitor and resolve the issues of the application platform.**
- **Tools like Nagios or Zabbix helps in blackbox monitoring but not whitebox.**
- **Hence tools like Prometheus are more demand in market.**
- **Hence we undergo learning Prometheus and we monitor our services using this tool and grab Metrics in Grafana.**

ELK: Log Aggregation



- Log Aggregation is a very important piece to get the analytics of the application with respect to performance and usage of it.
- So all the logs of applications from all the instances are really very important and needs to be placed in some central system.
- Tools like ELK gives log aggregation in a better way. More over it is open-source and widely adopted.
- Hence, we undergo learning ELK extensively and make some dashboards & metrics in Kibana.

CONTINUOUS INTEGRATION TOOLS



- Continuous Integration is the Agile must practice to perform the post development activities and help developers to identify the issues in much early and so help them to make the code in a better way.
- To support it we have certain build tools from the Development Languages chosen by developer for building microservices and few tools to identify the issues involved in the development.

DOCKER: Container Space



- Docker is a major player in the container space and cannot imagine containers without run time.
- We will work on various options on docker, will make our own docker images, publishing them, customizing them, limiting them, hosting them on docker hub, ecr and lot more

KUBERNETES



- **Kubernetes is a an open-source container orchestration platform for managing containerized workloads on huge number of linux machines at scale and most of the resources are self healable.**
- **Google is the major contributor to Kubernetes and a biggest consumer as well.**
- **It facilitates both declarative configuration and automation. It has a large, rapidly growing ecosystem. Kubernetes services, support, and tools are widely available.**
- **We will set up full CI/CD on Kubernetes using rolling updates.**



HELM : Kubernetes Package Manager

- **Helm is the package manager to Kubernetes and is based on Go. Using helm, kubernetes deployments happen very smooth and quick.**
- **We will setup our own helm charts and do the deployments using the Helm Package Manager.**
- **Kubernetes and Helm are complementing products and most of the organizations adopts HELM as their package manager and hence we learn and work on that extensively.**

**CHECK FOR UNDERSTANDING - ACTIVITY /
PRACTICE / QUIZ / ASSESSMENT**

BATCHES

WEEK DAYS BATCH

- ▶Class Room Training
- ▶Online Instructor LED Training
- ▶Online Self-paced training

WEEKEND BATCH

- ▶Class Room Training
- ▶Online Instructor LED Training
- ▶Online Self-paced training

FAST TRACK BATCH

- ▶Class Room Training
- ▶Online Instructor LED Training
- ▶Online Self-paced training

OUR END TO END PLACEMENT PROCESS



WHY TRENDNOLOGIES

- ▶10+ years of delivering exceptional service to candidates in Training and placements
- ▶Fast Track Placement in 30 days
- ▶100% Placement assurance
- ▶Managed by IT Experts as Trainers
- ▶Customized support addressing your needs
- ▶Personalized approach / dedicated attention
- ▶Personalized career counselling
- ▶Personalized consulting, planning and support
- ▶Job oriented theoretical & Practical Classes
- ▶More focus on hands-on and use cases
- ▶Focused on case studies and Real-time projects
- ▶Complete end to end training soft material
- ▶Guidance for Resume preparation and interview preparation
- ▶Training along with Career guidance and Certification guidance
- ▶Comprehensive career solutions across India, USA, UK and UAE

KNOW ABOUT OUR TRAINERS TEAM

- ▶Trendnologies Angular training in Chennai is led by experts with over a decade of experience. Additionally, our Trainers at TRENDNOLOGIES assist and guide you for certification examinations
- ▶Administrated and mastered by highly skilled industry experts with 20+ years of strong IT experience in leading MNC companies as Architect and Senior Technical consultant
- ▶10+ Years of Hands-on expertise in IT industry
- ▶Our Trainers are certified professionals with 9+ years of experience in their respective domains as well as they are currently working with Top MNCs.
- ▶10+ years of delivering exceptional service to candidates in Training and placements
- ▶Completed 100+ classroom and 100+ online batches successfully.
- ▶Our instructors are industry experts and subject specialists who have mastered the art of running applications and giving students with the Best training
- ▶We have earned various significant awards from renowned IT firms Training in Chennai

KNOW ABOUT OUR TRAINERS TEAM

- ▶ **Trained and Placed over 3000+ professionals in a single year**
- ▶ **Experience professional and Placement oriented instructional technical trainers.**
- ▶ **Proven ability to plan and execute programs on time.**
- ▶ **Knowledge of "current best practices" and the latest research in the use of technology to enhance teaching and learning.**
- ▶ **Our Trainers have worked on a variety of on-going projects in their respective industries.**
- ▶ **Trainers also assist candidates in being placed in their particular companies through the Employee Referral / Internal Hiring procedure.**

KEY FEATURES

- ❖ **100% Placement guarantee**
- ❖ **Career Oriented Training**
- ❖ **Hands-on with Case Studies**
- ❖ **Industry Expert Faculties**
- ❖ **Fast track placement mode**
- ❖ **Managed and mastered by highly skilled Industry Experts**

- ❖ **Both Classroom Training and Online Training**
- ❖ **Complete Career Guidance**
- ❖ **Mock Tests and Interviews**
- ❖ **Resume Preparation and Interview preparation support**
- ❖ **Multiple revision classes through our training library**
- ❖ **Placement in Top MNC Company**

- ❖ **Online Professional Certification assistance**
- ❖ **Technical Job Support after course completion and Placement**
- ❖ **Hands-On Salesforce Training with Certification**
- ❖ **Job Assistance | Access to official content aligned to exam**
- ❖ **Practice Labs & Projects with integrated Cloud labs**
- ❖ **Support 24/7 * 365 days**

BRANCHES - CHENNAI

- Annanagar Branch I** : F22 , 2c & 2d , Second floor , Second Main Road,
Annanagar East , Chennai - 600102.
Phone : 8681962962.
- Annanagar Branch II** : New no. 83, Old no. M-9-B , M Block Annanagar
East, Near K4 Roundtana , Chennai - 600102.
Phone : 8680962962.
- Medavakkam Branch** : #29 , M.S Complex , Second Floor, Anna Street,
Medavakkam, Chennai - 600100.
Phone : 8428888962.
- Placement Division** : F22, 3D Third Floor, Second Main Road,
Annanagar East , Chennai - 600102.
Phone : 9176362962.

BRANCHES - COIMBATORE

Coimbatore Branch I : #778, Mettupalyam Road R S Puram ,
Coimbatore - 641002.

Phone : 9360093938

Placement Division : KB Complex 105, Lokamanya Street East,
R S Puram, Coimbatore - 641002.

Phone : 8428444962

BRANCHES - BANGALORE

Bangalore Branch : #421, 4th Floor South Block Manipal centre,
M G Road, Bangalore - 560042.

Phone : 8428666962

THANK YOU

Visit our website for more details

WWW.TRENDNOLOGIES.COM