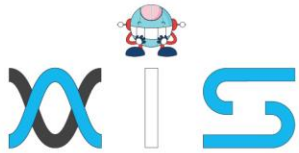


# DEVOPS ENGINEER

Course Outline





## Program Overview:

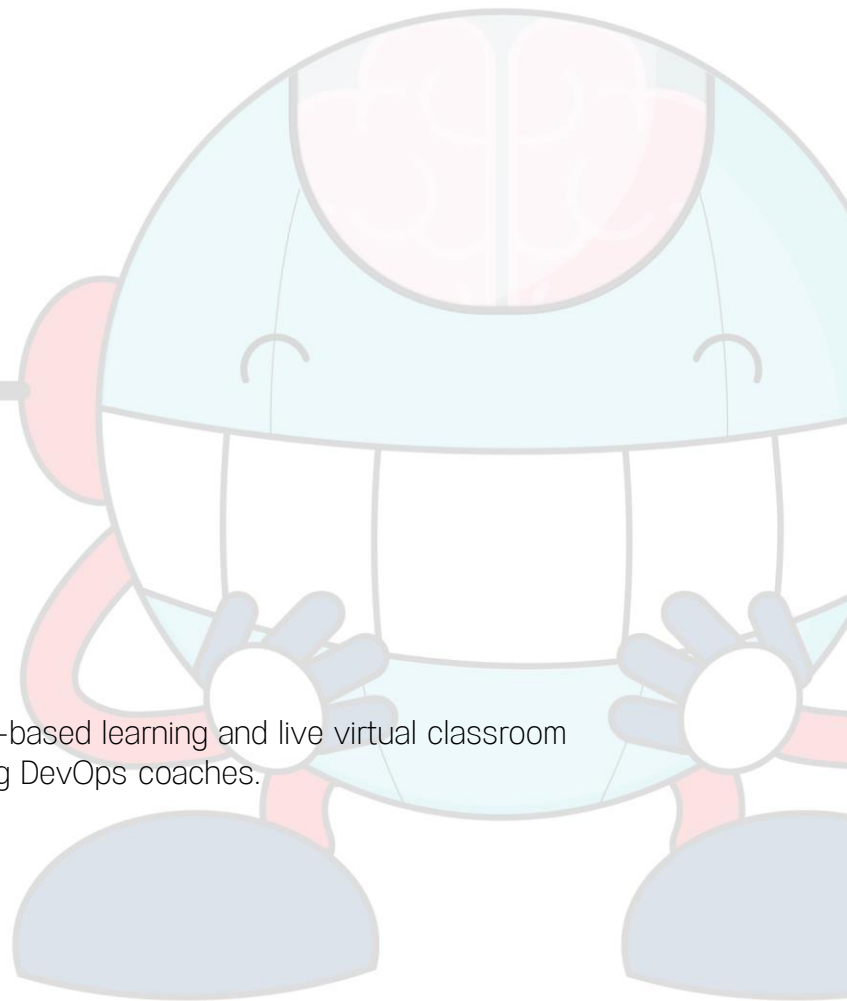
The program is ideal to prepare for a successful career in DevOps which helps to bridge the gap between operations and software development teams. The program will equip you the expertise in deployment and continuous development, inter-team collaboration, and the automation of configuration management. The program also covers the use of DevOps tools such as Jenkins, Docker, Git, and more

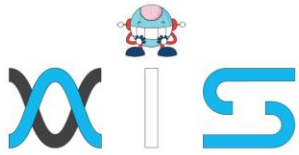
## Program Highlights

- 172 hours of instructor-led training
- 20+ in demand tools and skills
- 30 hours of self-paced learning
- Job-assist program (India only)
- 100+ hands-on practice projects

## Program Delivery Method:

Online Bootcamp - Online self-paced video-based learning and live virtual classroom training conducted by the industry's leading DevOps coaches.





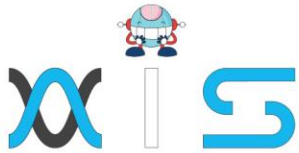
## Prerequisites:

This DevOps engineer program requires all learners to be from a technical background and understand the basics of web development, Linux, and Java programming. Learners should also have awareness of cloud platforms like Microsoft Azure and AWS.

## Skills Covered:

- Methodologies in DevOps
- Continuous integration and deployment tools: Jenkins, TeamCity, and Maven
- Containerization with Docker
- Version control systems
- Configuration management tools: Puppet, Chef, Ansible, SaltStack
- DevOps on Cloud
- Software and automation testing frameworks
- Deploying Kubernetes clusters
- Continuous monitoring with Nagios, Grafana, ELK Stack
- Building pipelines
- Automated testing
- Code quality improvement
- Distributed build architecture
- Cluster management and orchestration
- Swarm
- Networking





- Deploy elastic cloud solutions
- Cloud security best practices
- Working with AWS S3, EC2, IAM
- Using DB services and DynamoDB

## Tools Covered:

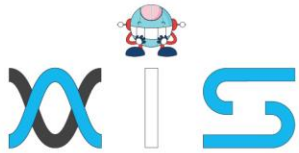
Ansible, Chef, Puppet, SaltStack, Apache Camel, Jenkins, TeamCity, Git, CVS, Genios, JUnit, Nagios, Maven, and Subversion

## Who Will Benefit:

This DevOps Engineer Master's program is beneficial for anyone who would like to enter the world of DevOps.

The program does not have prerequisites but will be ideal for the following individuals:

1. Recent graduates who are interested in getting into the DevOps market.
2. All entry level professionals with less than 2 years of experience working in non-technical or technical backgrounds who want to build a successful career in cloud computing.
3. Professionals such as developers, engineers, system administrators, IT managers, and cloud engineers can benefit from this DevOps Engineer Master's program.

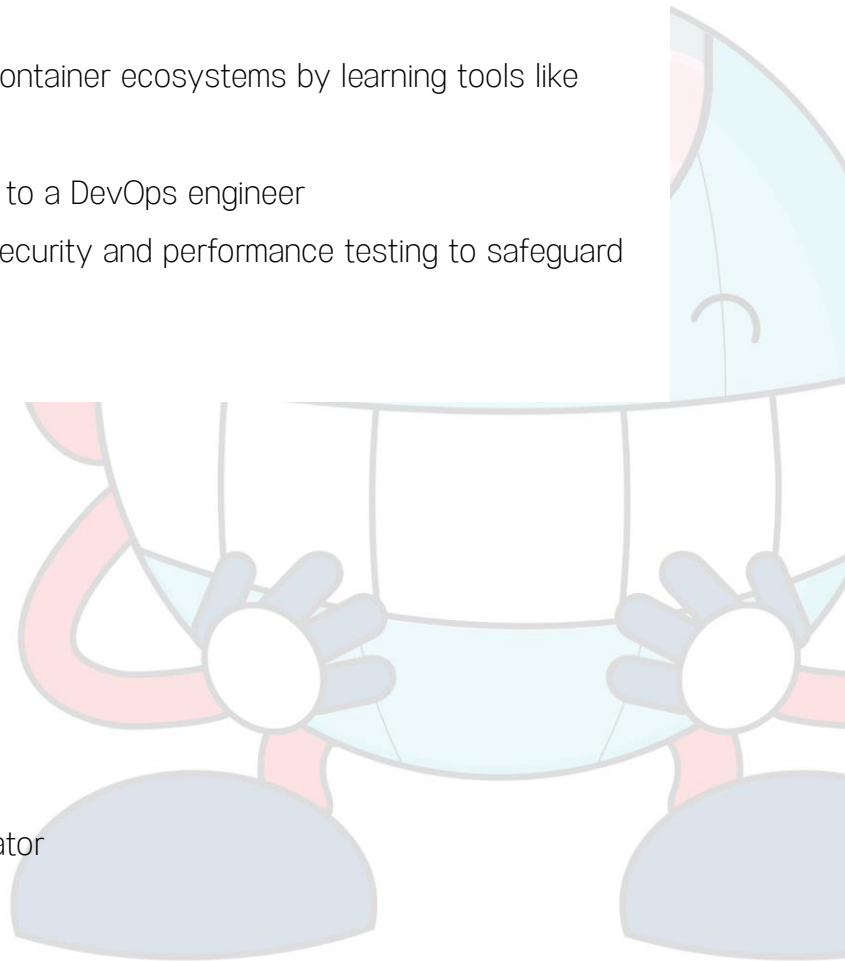


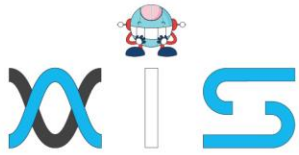
## Key Learning Outcomes

- Understand the fundamentals of DevOps engineering and become fully proficient with DevOps terminologies, concepts, benefits, and deployment options to meet business requirements
- Deliver change requests from customers rapidly and effectively by adding new (and updating existing) features
- Obtain complete knowledge of version control systems to effectively track changes through Git and GitHub training
- Master continuous integration and container ecosystems by learning tools like Jenkins and Docker
- Transition from a software engineer to a DevOps engineer
- Develop a sound understanding of security and performance testing to safeguard releases against vulnerabilities

## Learning Path:

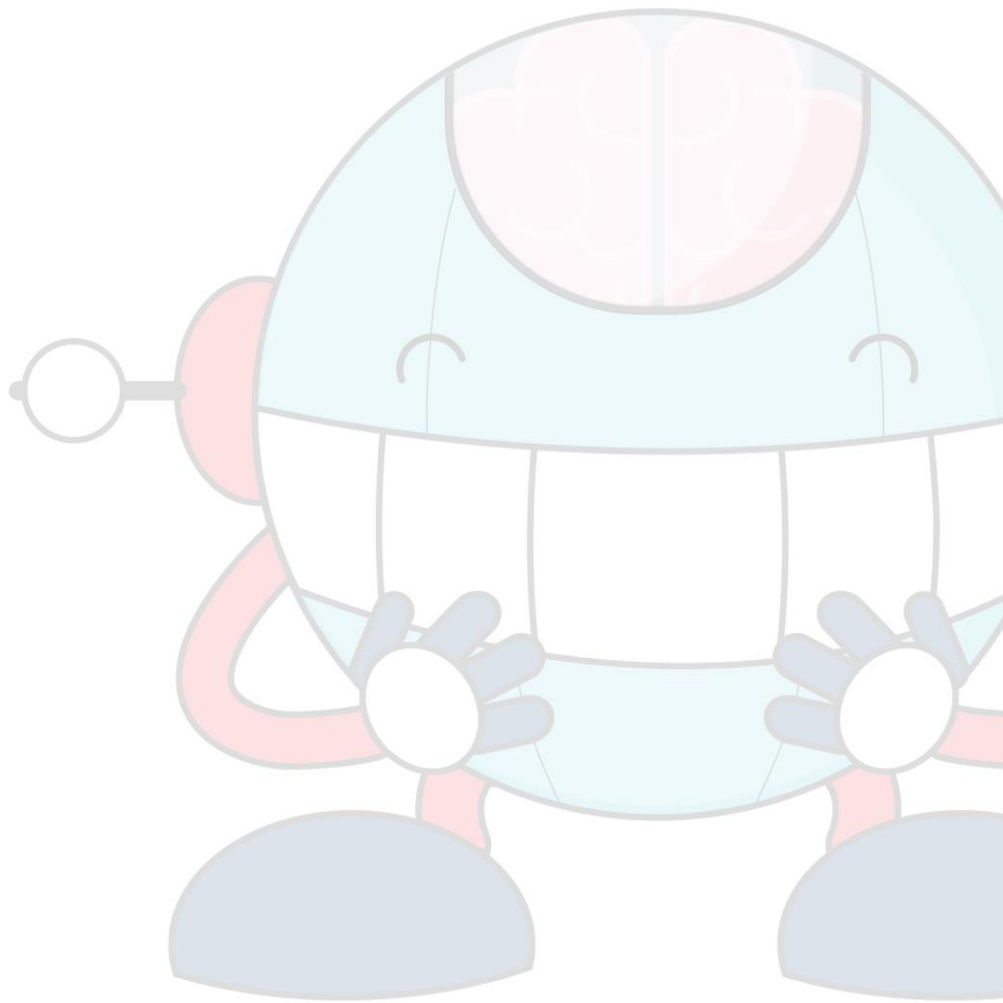
1. Git and GitHub training
2. CI/CD Pipeline with Jenkins
3. DevOps Certification Training
4. Docker Platform
5. CKA-Certified Kubernetes Administrator
6. DevOps On AWS
7. AWS Developer Associate



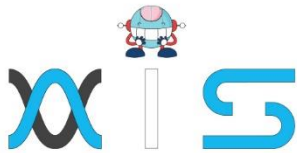


## Electives

- AWS Technical Essentials
- Puppet Training
- Agile Scrum Master
- Ansible
- Linux Training
- Microsoft Azure Fundamentals







## AIS

With the rising demand in scalable technology, AIS provides tailored goal-setting based on your organization's needs and expectations. With products geared towards the growing needs of your organization's customers and employees, AIS has innovative and value-driven solutions.

### Learning Partners



#### SAS Management, Inc.

SAS Management, Inc. has been a leader in the training, certification and consulting services industry in the Philippines. With offices in Makati, Ortigas and Cebu, Philippines, the company has been the top training and consulting company for over 9 years. In its years of existence, it has provided certificates to over 100,000 professionals including 10,000 participants in the 160+ courses that have been conducted just during the 2020-2021 pandemic alone. The most sought-after courses being offered are ITIL, Project Management Professional (PMP)®, COBIT 5, Six Sigma Yellow Belt, Six Sigma Green Belt, PRINCE2, and organizational skills, among others.



#### Simplilearn

Simplilearn, based in California and India, is the world's #1 online bootcamp and one of the world's the leading certification and training providers. Simplilearn trained over 2,000,000 professionals with 2,000+ trainers and provides over 400 different courses.

### Technology Partner



#### Freshworks

With over 40,000 customers, Freshworks is a business solutions software provider with products ranging from IT helpdesk and service desk, customer relationship management, live chat, marketing automation, phone system, and HR.

### Partners & Affiliates

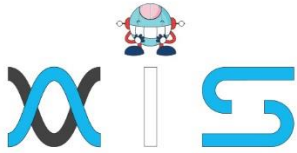


PECB

SDI Service Desk Institute

EC-COUNCIL





*The program presented, as well as a wide range of programs are products of the partnership of AIS, SAS Management, Inc., and Simplilearn. With a common goal of providing the best practice of facilitating learning with an array of choices available in the online platform in this time of digitization.*

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