



# Learning Path



[I Know](#) **[Nothing](#)** [Basics](#) [Containers](#) [IaC Concepts](#) [not sure? Find out](#)

Get Your basics right



12  
Factor  
App  
0h 45m



codebase  
dependencies  
concurrency  
processes  
backing services



config      build  
release and run  
port binding  
disposability  
dev prod parity  
logs  
admin processes



Learn the basics of DevOps,  
Networking and Application



DevOps  
Prerequisite  
course



6h 30m

linux basics  
virtual box networking  
vagrant  
networking basics  
programming basics  
database basics  
Git  
Apache web server  
IPs and ports  
SSL & TLS basics  
YAML



## Fundamentals of DevOps



2h 30m

culture considerations  
values considerations  
crossing teams functions  
LEAN - considerations  
collaboration and  
information radiation  
technology patterns  
value of devops

## Learn Linux



### Linux for Beginners



5h 15m

Linux Shell

Kernel

RunLevels

FileTypes

RPM

YUM

DPKG

APG

vi editor

networking

dns

ssh

scp

iptables

systemd

nfs

lvm



### Shell Scripts for Beginners



2h 0m

command line  
arguments

variables

arithmetic operations

loops      shebang  
e-commerce  
application project

## Learn Programming



Golang

4h 15m



data types and  
variables

operators and  
control flow

arrays

slices      maps

using functions

pointers

struct

methods

interfaces

Recommended



Python  
Basics  
Course

1h 30m



python basics

making decisions

loops



logic and bit  
operations

lists

functions

tuples &  
dictionaries

mock exams



## Git for Beginners



1h 15m

fetching and pulling

merge conflicts

fork      rebasing

interactive rebasing

cherry picking

resetting and  
reverting

stashing      reflog

## Learn Version Control

## Learn popular CI/CD tools



## Jenkins



2h 45m

installing jenkins

plugins

jenkins visuals



administering  
jenkins

backup and  
restore

monitoring jenkins

Jenkinsfile

multistage  
pipeline

build agents

blue ocean

jenkins security

controller isolation

security pipeline  
matrix

## Ace Container Concepts



### Docker for Absolute Beginners

4h 0m



containers

images

volumes

container

orchestration

networking

## Learn Container Orchestration



### Kubernetes for Beginners



6h 0m

pods      replicaset  
 deployments  
 services  
 setting up local  
 environment

## Infrastructure as Code



### Terraform for Beginners



4h 45m

terraform basics  
 terraform state  
 terraform with AWS  
 remote state  
 terraform  
 provisioners  
 terraform import  
 tainting resources  
 and debugging  
 terraform modules  
 terraform functions  
 and conditional



expressions

IaC Learning Path



Get to the advanced learning



Helm for  
Beginners



2h 15m

helm components

helm charts

pipelines

conditionals

with blocks

ranges

named templates

chart hooks

packaging and  
signing charts



Istio  
Service  
Mesh



2h 45m



sidecars

envoy

monoliths &  
microservices

service mesh

istio kiali

gateways

virtual services

destination rules

fault injection

timeouts

retries

circuit breaking

authentication

certificate  
management

distributed tracing  
with jaeger



GitOps  
with  
ArgoCD



6h 0m

gitops principles

gitops benefits &  
drawbacks

architecture

webhooks



application health  
sync strategies  
declarative setup  
dex okta  
connector  
bitnami sealed  
secrets  
metrics &  
monitoring  
alertmanager  
argocd  
notifications  
CI/CD with gitops  
jenkinsfile  
walkthrough



Prometheus  
Certified  
Associate  
(PCA)



6h 45m

observability  
fundamentals

prometheus  
fundamentals

PromQL

dashboarding &  
visualization

application  
instrumentation

service discovery  
push gateway  
alerting  
monitoring kubernetes  
mock exam

Get Career Ready!



## DevOps Interview Preparation Course

5h 30m



linux      git  
docker  
kubernetes      helm  
Hashicorp  
ansible  
jenkins and CI/CD  
AWS  
programming  
devops

will it take for me to complete?

I can spend 2 4 6 hours / day



\* This is based on averages from our students. This may change depending on your experience and level of expertise.

# Test your Readiness for Free!



The skills test is a hands-on exam that helps you identify where you stand today in your preparation for your DevOps exam. Do you know about DevOps enough to attempt the exam?  
Find out now!

learning paths

Path  
Linux



Path  
Kubernetes



Path  
IAC



Infrastructure as Code

Path  
CKA



Certified Kubernetes  
Administrator

5 Courses

200h

9 Courses

183h

5 Courses

88h

5 Courses

160h



## learning paths

Path  
System  
Administrator



Path  
Kubernetes  
Administrator



Path  
Platform  
Engineer



Path  
Site  
Reliability  
Engineer



13 Courses

341h

12 Courses

250h

12 Courses

170h

10 Courses

320h

View All

# FAQs



What technical skills should I focus on to become a DevOps engineer?



Which programming languages are important for a DevOps engineer?



What tools and technologies should I learn to excel as a DevOps engineer?



How important is cloud computing knowledge for a DevOps engineer?



What is the role of automation in DevOps, and which automation tools should I learn?



How can I gain experience in implementing CI/CD pipelines?



What are the common challenges faced by DevOps engineers, and how can I prepare to overcome them?





Are there any specific certifications that can enhance my chances of getting a DevOps engineer job?



LEARNING PATHS

DevOps  
Kubernetes  
Docker  
Linux  
IaC  
AWS  
GCP  
Azure

COURSES

Certified Kubernetes Administrator  
Certified Kubernetes Application Developer  
Certified Kubernetes Security Specialist  
AWS Cloud Practitioner  
Microsoft Azure Solutions Architect Expert  
Microsoft Azure Administrator

COMMUNITY

Join our community  
Teach with Us  
Write with Us  
Ambassadors  
Academia  
Affiliates  
Webinars

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Zaurac Technologies Pte Ltd  
14 Robinson Road #08-01A  
Singapore 048545

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