

COMPLETE DEVOPS ROADMAP

NETWORKING

OSI MODEL, TCP/IP MODEL
IP ADDRESSING, SUBNET, PORTS
PROTOCOLS - DNS, SSH, HTTP/S
CLOUD NETWORKING COMPONENTS

PROGRAMMING LANGUAGE

- PYTHON
- GO
- NODE.JS
- RUBY

DOCKER

DOCKER BASICS & DOCKER IMAGES
DOCKERFILE & MULTI-STAGE BUILD
DOCKER NETWORKING AND VOLUMES
DOCKER REGISTRY, IMAGE MANAGEMENT
DOCKER COMPOSE, DOCKER IMAGE
SCANNING & SECURITY

ANSIBLE

ANSIBLE BASICS & ARCHITECTURE
ANSIBLE PLAYBOOKS AND VARIABLES
ANSIBLE MODULES & COLLECTIONS
ANSIBLE ROLES, GALAXY & VAULT
ERROR HANDLING & DEBUGGING
DYNAMIC INVENTORIES, CI/CD
INTEGRATION AND SYSTEM
MANAGEMENT

CLOUD & TERRAFORM

CLOUD - AZURE, AWS, GCP
AZURE - FUNDAMENTALS, COMPUTE,
STORAGE, NETWORKING, IAM, AZURE
DEVOPS, AZURE FUNCTIONS
IAC - TERRAFORM BASICS, PROVIDERS,
CONFIG FILES, TF STATE, MODULES &
WORKSPACES, INFRASTRUCTURE
PROVISIONING & AUTOMATION

OPERATING SYSTEM

LINUX - UBUNTU / REDHAT / CENTOS
FILE / USER / PROCESS / DISK /
PACKAGE / SERVICE MANAGEMENT
SCRIPTING & TEXT PROCESSING,
NETWORKING, SECURITY HARDNING,
TROUBLESHOOTING

GIT VERSION CONTROL

SCM TOOLS - GITHUB, GITLAB
GIT BASICS, BRANCHING STRATEGY
GIT MERGING & CI/CD INTEGRATION
GIT TAGS, RELEASES, REMOTE REPO
GIT COLLABORATION

KUBERNETES

ARCHITECTURE, INSTALLATION,
CONFIGURATION & SECURITY
WORKLOADS & SCHEDULING
SERVICES, NETWORKING, STORAGE
CLUSTER UPGRADES, MAINTENANCE
HELM CHARTS & DEPLOYMENTS

JENKINS CI / CD

JENKINS, GITHUB ACTIONS
JENKINS UI & CONFIGURATION
SCRIPTED & DECLARATIVE PIPELINES
CI / CD WITH JENKINS
SHARED LIBRARIES, ADMINISTRATION
& MAINTENANCE
JENKINS PLUGINS & SECURITY

LOGGING & MONITORING

LOGGING - ELASTICSEARCH STACK
MONITORING - PROMETHEUS, GRAFANA
DISTRIBUTED TRACING - JAEGER,
OPENTELEMETRY
CLOUD MONITORING - AZURE MONITOR

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