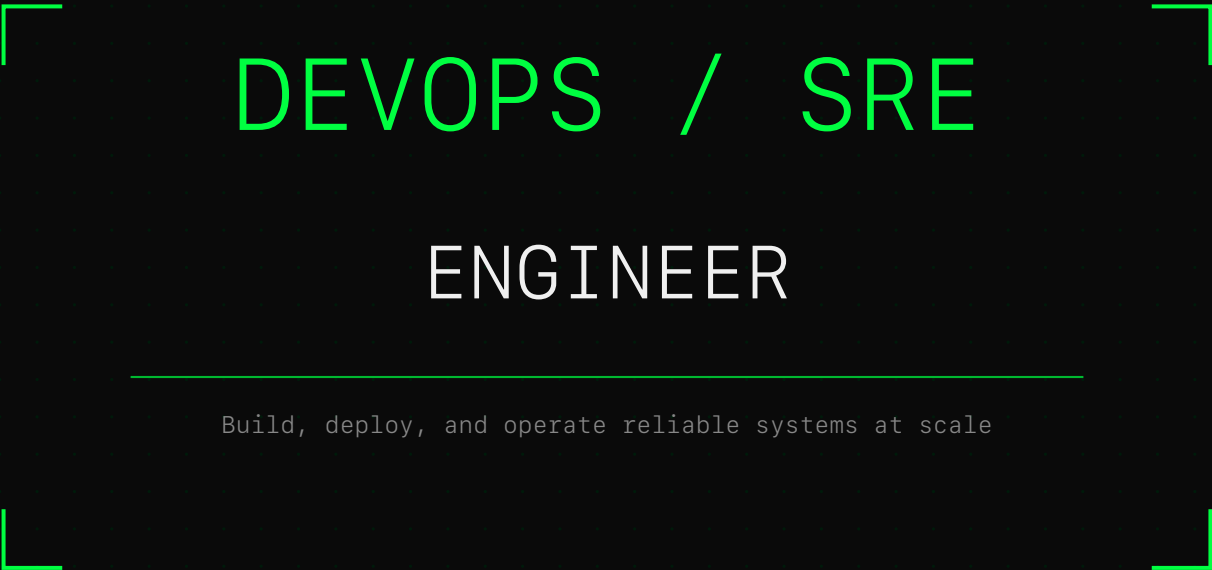




DEVOPS / SRE

ENGINEER

Build, deploy, and operate reliable systems at scale

7 stages · progressive skill path

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01

4–6 weeks

LINUX & SCRIPTING

Linux CLI (File, Process, Net)

Bash Scripting

SSH & Key Management

Cron Jobs

Networking Basics (TCP/IP, DNS)

Package Managers (apt, yum)

You will live in the terminal – get very comfortable

02

3–4 weeks

VERSION CONTROL & CI/CD

Git Advanced (rebase, hooks)

GitHub Actions

Jenkins or GitLab CI

Pipeline as Code

Branch Strategies (GitFlow)

Secrets Management

Artifact Publishing

Automate everything that runs more than twice

03

4–5 weeks

CONTAINERS

Docker (build, run, compose)

Dockerfile Best Practices

Container Networking

Image Optimization

Multi-stage Builds

Docker Registry (ECR / GCR)

OCI Standards

Understand image layers – every RUN instruction adds to image size

04

6–8 weeks

KUBERNETES

K8s Architecture (control plane)

Pods / Deployments / Services

ConfigMaps & Secrets

Helm Charts

RBAC & Namespaces

Ingress Controllers

HPA & VPA

Persistent Volumes

Don't just use kubectl – understand what happens underneath

05

6–8 weeks

CLOUD PLATFORM

AWS / GCP / Azure Fundamentals

IAM & Least Privilege

VPC & Networking

Compute (EC2 / GCE)

Object Storage (S3 / GCS)

Managed Databases

Serverless (Lambda)

CDN

Get cloud certified – certifications force depth over breadth

06

4–5 weeks

INFRASTRUCTURE AS CODE

Terraform (modules, state, workspaces)

Ansible (playbooks, roles)

GitOps (ArgoCD / Flux)

Drift Detection

Policy as Code (OPA)

Cost Estimation (Infracost)

If you clicked it in the console, you did it wrong



07

3–4 weeks

OBSERVABILITY

Prometheus + Grafana

ELK / OpenSearch Stack

Distributed Tracing (Jaeger)

SLOs / SLAs / SLIs

Alerting & On-call

Incident Response

Chaos Engineering

You cannot improve what you cannot measure

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