The DevOps Loop

Zero to DevOps engineer in 16 weeks · free roadmap · 4 short lessons a day · every week: 5 learning days, 1 build day, 1 recap

Foundations · Builder · Automator · Orchestrator · Job-ready

01 **Foundations** — What DevOps is · how apps reach users · servers · the terminal · files
▸ Build: Run LoopNotes on Linux

02 **Linux** — Users & sudo · permissions · processes · packages · systemd
▸ Build: LoopNotes as a service

03 **Networking** — IP · ports · DNS · HTTP/HTTPS · SSH · troubleshooting
▸ Build: Reach it from a browser

04 **Git & GitHub** — Commits · branches · remotes · conflicts · pull requests
▸ Build: LoopNotes on GitHub

05 **Scripting** — Bash · variables · loops · cron · YAML/JSON · env vars
▸ Build: A deploy script

06 **Docker I** — Why containers · images · Dockerfile · build & run
▸ Build: LoopNotes in a container

07 **Docker II** — Layers · volumes · networks · Compose · registries
▸ Build: App + database with Compose

08 **CI/CD** — GitHub Actions · workflows · build, push & deploy
▸ Build: Ship on every push

09 **AWS I** — Cloud · regions · IAM · EC2 · security groups · S3
▸ Build: LoopNotes on EC2

10 **AWS II** — VPC · load balancers · auto scaling · RDS · Route 53
▸ Build: Behind a load balancer

11 **Infra as Code** — Terraform · providers · state · Ansible
▸ Build: All of AWS as code

12 **Kubernetes I** — Architecture · local cluster · pods · deployments
▸ Build: LoopNotes on K8s

13 **Kubernetes II** — Services · Ingress · ConfigMaps · Secrets · storage
▸ Build: Exposed with Ingress

14 **Kubernetes III** — Probes · resources · rolling updates · autoscaling · Helm
▸ Build: Zero-downtime deploys

15 **Monitoring** — Observability · Prometheus · Grafana · alerts · logs
▸ Build: Dashboards + alerts

16 **Job-ready** — GitOps · DevSecOps · secrets · SRE · incidents · portfolio
▸ Build: Your portfolio README

Project app: github.com/thedevopsloop/loopnotes

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