- Personal Recommendation / Opinion
- Alternative Option - Pick this or purple
- Order in roadmap not strict (Learn anytime)

Find the detailed version of this roadmap along with resources and other roadmaps

https://roadmap.sh

Featured DevOps Resources

- DevOps Bootcamp by Nana Paid
- KodeCloud DevOps Courses Paid

These are affiliate links. Revenue generated from these help offset roadmap.sh running costs.

If you are just getting started, visit the simplified version listing learning tips and ideas.

Visit the Beginner Version

DevOps

- Learn a Programming Language
  - Python
  - Ruby
  - Go
  - Rust
  - JavaScript / Node.js
- Operating Systems
  - Linux
    - Windows
    - Ubuntu / Debian
    - SUSE Linux
    - RHEL / Derivatives
  - Unix
    - FreeBSD
    - OpenBSD
    - NetBSD
- Learn to live in Terminal
  - Editors
    - Vim/Nano/Emacs
  - Scripting
    - Bash Scripting
    - Power Shell
  - Process Monitoring
  - Performance Monitoring
  - Networking Tools
  - Text Manipulation
- Version Control Systems
  - Git
- VCS Hosting
  - GitHub
  - GitLab
  - Bitbucket
- What is and how to setup a _____?
  - Web Servers
    - Nginx
    - Tomcat
    - Apache
    - IIS
  - Reverse Proxy
  - Forward Proxy
  - Caching Server
  - Firewall
  - Load Balancer
- Containers
  - LXC
  - Docker
- Cloud Providers
  - AWS
  - Google Cloud
  - Azure
  - Digital Ocean
  - Alibaba Cloud
  - Linode
  - Heroku
  - Vultr
- Networking, Security and Protocols
  - FTP / SFTP
  - DNS
  - HTTP
  - HTTPS
  - SSL / TLS
  - SSH
  - OSI Model
  - Email
    - White/Grey Listing
    - SMTP
    - DMARC
    - IMAPS
    - SPF
    - POP3S
    - Domain Keys
- Infrastructure Provisioning
  - AWS CDK
  - CloudFormation
  - Pulumi
  - Terraform
- Serverless
  - Cloudflare
  - AWS Lambda
  - Azure Functions
  - GCP Functions
  - Vercel
  - Netlify
- Configuration Management
  - Ansible
  - Chef
  - Puppet
- Learn some CI/CD Tool
  - Gitlab CI
  - Jenkins
  - GitHub Actions
  - Travis CI
  - Circle CI
  - Drone
  - TeamCity
  - Azure DevOps Services
- Secret Management
  - Sealed Secrets
  - Cloud Specific Tools
  - Vault
  - SOPS
- Infrastructure Monitoring
  - Zabbix
  - Prometheus
  - Datadog
  - Grafana
- Application Monitoring
  - Jaeger
  - New Relic
  - AppDynamics
  - Datadog
  - OpenTelemetry
- Logs Management
  - Elastic Stack
  - Loki
  - Graylog
  - Splunk
  - Papertrail
- Container Orchestration
  - GKE / EKS / AKS
  - AWS ECS / Fargate
  - Docker Swarm
  - Kubernetes
- Artifact Management
  - Artifactory
  - Nexus
  - Cloud Smith
  - ArgoCD
  - FluxCD
  - GitOps
- Service Mesh
  - Istio
  - Consul
  - Linkerd
  - Envoy
- Cloud Design Patterns
  - Availability
  - Data Management
  - Design and Implementation
  - Management and Monitoring

Keep Learning