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Top GitHub Repositories Every DevOps Engineer Should Know

Essential Tools, Learning
Resources, and Automation
Repos for Modern Cloud
Engineering



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DevOps Learning & Practice





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DevOps Exercises

A comprehensive collection of DevOps-related interview questions and real-world exercises covering Linux, networking, Kubernetes, CI/CD, and more.



<https://github.com/bregman-arie/devops-exercises>

Test Your Sysadmin Skills

A curated list of questions and challenges to test your Linux and system administration knowledge.



<https://github.com/trimstray/test-your-sysadmin-skills>





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SRE Interview Preparation Guide

A comprehensive guide consolidating useful resources for SRE interview preparation, covering various foundational topics.

🔗 <https://github.com/mxssl/sre-interview-prep-guide>

The Art of Command Line

A legendary resource to master the Linux command line—full of tips for both beginners and pros.

🔗 <https://github.com/jlevy/the-art-of-command-line>





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Infrastructure as Code & Automation





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Terraform Best Practices

A list of recommended practices and examples to write clean, reusable, and scalable Terraform code.



<https://github.com/ozbillwang/terraform-best-practices>

Ansible for DevOps

A complete book and example projects on automating infrastructure with Ansible—by Jeff Geerling.

🔗 <https://github.com/geerlingguy/ansible-for-devops>





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DockSTARTer

A tool to help you quickly get started with Docker app deployments using pre-built stacks and best practices.



[https://github.com/GhostWriters/Dock
STARTer](https://github.com/GhostWriters/DockSTARTer)

CI/CD Pipeline Examples

A set of sample pipelines for various CI/CD platforms like GitHub Actions, GitLab CI, Jenkins, and more.

[https://github.com/ci-cd-dev/cicd-
pipeline](https://github.com/ci-cd-dev/cicd-pipeline)





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Kubernetes & Containers





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Kubernetes (Official)

The official repository for Kubernetes
—track core development and learn
directly from the source.



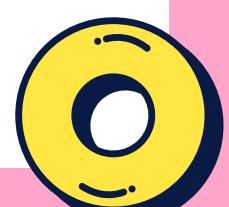
<https://github.com/kubernetes/kubernetes>

Kubernetes the Hard Way

A hands-on tutorial to learn how Kubernetes works by setting it up manually, step-by-step, with no abstractions.



<https://github.com/kelseyhightower/kubernetes-the-hard-way>





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Fast Kubernetes

A curated guide to help you learn Kubernetes quickly with clean examples and real use-cases.



<https://github.com/yangchuansheng/fast-kubernetes>

Kubernetes Ingress NGINX

The official NGINX-based Ingress Controller for Kubernetes, essential for managing external access to your services.

🔗 <https://github.com/kubernetes/ingress-nginx>





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kubectl

Command-line interface for running commands against Kubernetes clusters
– great for mastering daily K8s operations.

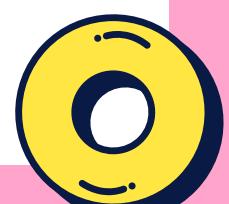


<https://github.com/kubernetes/kubectl>

Kubernetes Metrics Server

Collects resource usage data (CPU/memory) from nodes and pods for autoscaling and monitoring.

🔗 <https://github.com/kubernetes-sigs/metrics-server>





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Monitoring & Chaos Engineering





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Prometheus Monitoring

A powerful time-series monitoring system used widely in DevOps for metrics collection and alerting.



<https://github.com/prometheus/prometheus>

Chaos Engineering Tools

A curated list of tools and resources to help you break things intentionally and build more resilient systems.

✉ <https://github.com/dastergon/awesome-chaos-engineering>





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Collections & Curated Lists





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Awesome Sysadmin

A massive, well-organized list of tools, tips, and resources for system administrators and DevOps professionals.

🔗 <https://github.com/awesome-foss/awesome-sysadmin>

Awesome DevSecOps

A comprehensive list of tools and best practices to secure your DevOps workflows (a must-read for DevSecOps engineers).

🔗 <https://github.com/TaptuIT/awesome-devsecops>





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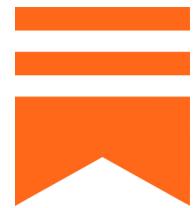
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SpectrumShift DevOps
Odyssey.



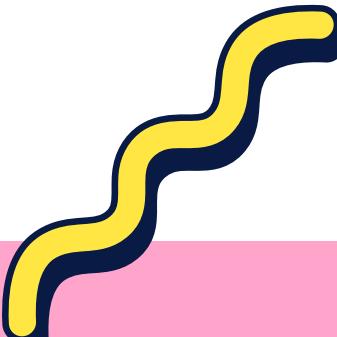
Hack&Secure



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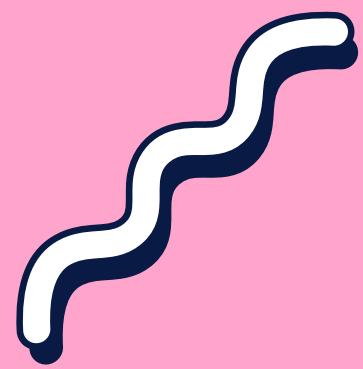




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