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Videos

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DevOps

What is DevOps? by Rackspace – Really great introduction to DevOps

https://www.youtube.com/watch?v=_I94-tJlovq

Sanjeev Sharma series on DevOps (great repetition to really get the DevOps concept)

Understanding DevOps

<https://www.youtube.com/watch?v=HpZBnc07q9o>

DevOps: Where to Start

<https://www.youtube.com/watch?v=CSrKwP1QrjE>

Continuous Delivery vs. Continuous Deployment (great comparison between the two)

<https://www.youtube.com/watch?v=igwFj8PPSnw>

Adopting DevOps – Mapping your delivery pipeline (good next level down on the delivery pipeline, and self-service automation)

<https://www.youtube.com/watch?v=KrRYqcSfEbs>

DevOps Whiteboard Client Interview Demonstration
(great process walkthrough, and the importance of
automation)

<https://www.youtube.com/watch?v=U9SnBeKI00I>

Programming Fundamentals

Beginner

[http://www.lynda.com/JavaScript-tutorials/
Foundations-of-Programming-Fundamentals/83603-2.html](http://www.lynda.com/JavaScript-tutorials/Foundations-of-Programming-Fundamentals/83603-2.html)

[http://www.lynda.com/Developer-Programming-
Foundations-tutorials/Foundations-Programming-Test-
Driven-Development/124398-2.html](http://www.lynda.com/Developer-Programming-Foundations-tutorials/Foundations-Programming-Test-Driven-Development/124398-2.html)

[http://www.lynda.com/Developer-Programming-
Foundations-tutorials/Foundations-Programming-Code-
Efficiency/122461-2.html](http://www.lynda.com/Developer-Programming-Foundations-tutorials/Foundations-Programming-Code-Efficiency/122461-2.html)

Intermediate

[http://www.lynda.com/Developer-Programming-
Foundations-tutorials/Foundations-Programming-Data-
Structures/149042-2.html](http://www.lynda.com/Developer-Programming-Foundations-tutorials/Foundations-Programming-Data-Structures/149042-2.html)

[http://www.lynda.com/Programming-tutorials/
Foundations-of-Programming-Object-Oriented-Design/
96949-2.html](http://www.lynda.com/Programming-tutorials/Foundations-of-Programming-Object-Oriented-Design/96949-2.html)

[http://www.lynda.com/Developer-Programming-
Foundations-tutorials/Foundations-Programming-
Refactoring-Code/122457-2.html](http://www.lynda.com/Developer-Programming-Foundations-tutorials/Foundations-Programming-Refactoring-Code/122457-2.html)

Version Control

Fundamentals

[http://www.lynda.com/Version-Control-tutorials/
Fundamentals-Software-Version-Control/106788-2.html](http://www.lynda.com/Version-Control-tutorials/Fundamentals-Software-Version-Control/106788-2.html)

Git

[http://www.lynda.com/Git-tutorials/Git-Essential-
Training/100222-2.html](http://www.lynda.com/Git-tutorials/Git-Essential-Training/100222-2.html)

[https://www.youtube.com/watch?
v=RwYbl_tpoVE&list=WL&index=1](https://www.youtube.com/watch?v=RwYbl_tpoVE&list=WL&index=1) Wrapping Your Head
Around Git (The best video on Git internals!)

Languages

Scripting

BASH

[http://www.lynda.com/Bash-tutorials/Up-Running-
Bash-Scripting/142989-2.html](http://www.lynda.com/Bash-tutorials/Up-Running-Bash-Scripting/142989-2.html)

AWK

[http://www.lynda.com/Linux-tutorials/AWK-Essential-
Training/162719-2.html](http://www.lynda.com/Linux-tutorials/AWK-Essential-Training/162719-2.html)

Perl

<http://www.lynda.com/sdk/Perl-5-tutorials/essential-training/61025-2.html>

Object Oriented

Ruby

<https://pragmaticstudio.com/courses/ruby>
<https://pragmaticstudio.com/courses/ruby-blocks>
<http://www.lynda.com/Ruby-tutorials/Code-Clinic-Ruby/164143-2.html>

Python

<http://www.lynda.com/Python-tutorials/Up-Running-Python/122467-2.html>
<http://www.lynda.com/Python-3-tutorials/essential-training/62226-2.html>
<http://www.lynda.com/Python-tutorials/Welcome/163752/182076-4.html>

Compiled

Go Programming Language (golang)

<http://golang.org/>

Web Technologies

HTML

<http://www.lynda.com/HTML-tutorials/HTML-Essential-Training/170427-2.html>

Editors

vi

<http://www.lynda.com/vi-tutorials/Up-Running-vi/170336-2.html>

Sublime Text 2

<http://www.lynda.com/Sublime-Text-tutorials/Up-Running-Sublime-Text-2/114325-2.html>

Integrated Development Environments (IDE)

Eclipse

<http://www.lynda.com/Eclipse-tutorials/Up-Running-Eclipse/111243-2.html>

Databases

Fundamentals

[http://www.lynda.com/Programming-tutorials/
Foundations-Programming-Databases/112585-2.html](http://www.lynda.com/Programming-tutorials/Foundations-Programming-Databases/112585-2.html)

Docker

Introduction to Docker Engine

<https://www.youtube.com/watch?v=jB-Ddfph7EI>

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Books

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Configuration Management Tools (Puppet, Chef, SaltStack,
Ansible)

DevOpsU: Taste Test

[https://devopsu.com/books/taste-test-puppet-chef-
salt-stack-ansible.html](https://devopsu.com/books/taste-test-puppet-chef-salt-stack-ansible.html)

Docker

The Docker Book

<http://www.dockerbook.com/>

Behavior Driven Development (BDD)

The RSpec Book: Behaviour-Driven Development with
RSpec, Cucumber, and Friends

by David Chelimsky, Dave Astels, Zach Dennis, Aslak
Hellesøy, Bryan Helmkamp, Dan North

<https://pragprog.com/book/achbd/the-rspec-book>

The Cucumber Book: Behaviour-Driven Development for
Testers and Developers

by Matt Wynne and Aslak Hellesøy

<https://pragprog.com/book/hwcuc/the-cucumber-book>

Cucumber Recipes: Automate Anything with BDD Tools and
Techniques

by Ian Dees, Matt Wynne, Aslak Hellesoy

<https://pragprog.com/book/dhwcr/cucumber-recipes>

Game Programming

Learn Game Programming with Ruby: Bring Your Ideas to
Life with Gosu by Mark Sobkowicz

<https://pragprog.com/book/msgpkids/learn-game-programming-with-ruby>

Developer Environment Optimization

tmux: Productive Mouse-Free Development by Brian P. Hogan

<https://pragprog.com/book/bhtmux/tmux>

Software Craftsmanship

Clean Code: A Handbook of Agile Software Craftsmanship
by Robert C. Martin

<http://my.safaribooksonline.com/book/software-engineering-and-development/agile-development/9780136083238>

Refactoring

Refactoring: Improving the Design of Existing Code by
Martin Fowler, Kent Beck, John Brant, William Opdyke, Don Roberts

<http://my.safaribooksonline.com/book/software-engineering-and-development/refactoring/0201485672>

Seminal Works

Code Complete

Mythical Man Month

K&R C Programming Language

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Websites

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DevOps

Ansible – CM tool

<http://docs.ansible.com/index.html>

Vagrant – Virtualization Management

<https://www.vagrantup.com/>

<https://www.vagrantup.com/downloads.html>

<https://docs.vagrantup.com/v2/>

Terraform – Infrastructure as Code

<https://terraform.io/>

Packer – Machine Image Management

<https://www.packer.io/>

Consul – Service Discovery and Configuration Management

<https://www.consul.io/>

Docker – Linux Container and Package Management

<https://www.docker.com/>

Public Cloud

Amazon Web Services – Public Cloud Provider

<http://aws.amazon.com/>

Rackspace – Public Cloud Provider

<http://www.rackspace.com/>

Digital Ocean – Public Cloud Provider

<https://www.digitalocean.com/>

Integrated Development Environments (IDE)

JetBrains – IntelliJ (Java), RubyMine (Ruby/Rails),
PyCharm (Python)

<https://www.jetbrains.com/>

Eclipse

<http://www.eclipse.org/>

Editors

Sublime Text 2

<http://www.sublimetext.com/>

Developer Environment Optimization

Emmet – the essential toolkit for web-developers
(supported in most IDEs)

<http://docs.emmet.io/>

Continuous Integration

Jenkins

<http://jenkins-ci.org/>

Hosted Services

Github

<https://github.com/>

Try Git – Got 15 minutes and want to learn Git?

<https://try.github.io/levels/1/challenges/1>

Code Training

codecademy

<http://www.codecademy.com/>

w3schools

<http://www.w3schools.com/>

rubymonk

<https://rubymonk.com/>

codewars

<http://www.codewars.com/kata/latest/my-languages>

rubykoans

<http://rubykoans.com/>

Code Challenges

HackerRank

<https://www.hackerrank.com/>

Ruby Warrior

<https://www.bloc.io/ruby-warrior/#/>

Refactoring

Refactoring

<http://www.refactoring.com/>

Document Management

Gollum – A simple, Git-powered wiki with a sweet API and local frontend.

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

News

Ruby Weekly

<http://rubyweekly.com/>

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Subjects

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Software Configuration Management

The Big 4 Concepts (identify, control, report, audit)

Agile

Scrum

SCRUM in 6 minutes

<https://www.youtube.com/watch?v=aP3TBpWwJ8>

Docker

Development Tools

Maven

Gradle

Monitoring

Networking

Cisco – Networking Basics: What You Need To Know

[http://www.cisco.com/cisco/web/solutions/
small_business/resource_center/articles/
connect_employees_and_offices/networking_basics/
index.html](http://www.cisco.com/cisco/web/solutions/small_business/resource_center/articles/connect_employees_and_offices/networking_basics/index.html)

Tom's Hardware – LAN 101: Networking Basics

[http://www.tomshardware.com/reviews/local-area-
network-wi-fi-wireless,3020.html](http://www.tomshardware.com/reviews/local-area-network-wi-fi-wireless,3020.html)

Provisioning

Deployment

Automation

Metrics

Lean Assessments (to determine where bottlenecks are in an organization and determine areas to improve)

What metrics matter

Software Craftsmanship

Robert C. Martin – The Land that Scrum Forgot
<https://www.youtube.com/watch?v=hG4LH6P8Syk>

Continuous Delivery

Tools for Continuous Integration at Google Scale
https://www.youtube.com/watch?v=KH2_sB1A6lA

Real-World Strategies for Continuous Delivery with
Maven and Jenkins

<https://www.youtube.com/watch?v=McTZtyb9M38>