DevOps

1 Learn a Programming Language

Doesn't matter which language you pick, key is to get some programming knowledge

Python
Ruby
Node.js

Go
Rust
C / C++

2 Understand different OS Concepts

Process Management
Threads and Concurrency
Sockets

I/O Management
Virtualization
Memory/Storage
File Systems

3 Learn about Managing Servers
Get some administration in some OS. Especially any Linux distribution. Pick Ubuntu if you have a little to no experience with Linux.

Operating System
Linux
Unix
Windows

Learn to live in Terminal

Text Manipulation Tools
awk, sed, grep, sort, uniq, cat, cut
echo, fmt, tr, nl, egrep, fgrep, wc

Learn Bash Scripting

Vim/Nano/PowerShell/Emacs

Compiling apps from source (gcc, make and other related stuff)

Process Monitoring
ps, top, htop, atop, lsof

System Performance
nmon, iostat, sar, vmstat

Network
nmap, tcpdump, ping, mtr, traceroute
airmon, airodump, dig, iptables

Others strace, dtrace, systemtap
uname, df, history

DNS
OSI Model

4 Networking and Security

HTTP
HTTPS
FTP
SSL / TLS

5 What is and how to setup a _____

Reverse Proxy
Forward Proxy
Caching Server
Load Balancer
Firewall

Web Server

IIS
Apache
Nginx
Tomcat
Caddy

6 Learn Infrastructure as Code

Containers
Configuration Management
Infrastructure Provisioning

Docker
rkt
LX

Ansible
Chef
Salt
Puppet

Terraform
Cloud Formation

7 Learn some CI/CD Tool

Jenkins
Travis CI
Teamcit
Drone
Circle CI

AWS
Google Cloud
Azure
Digital Ocean
Heroku

8 Learn how to monitor software and infrastructure

Infrastructure Monitoring

Application Monitoring

Nagios
Icinga
Datadog
Zabbix
Monit

ELK Stack
Graylog
Splunk
Papertrail

Logs Management

AppDynamics
New Relic

9 Cloud Providers

Keep Exploring