The goal is to take 90 days, 1 hour each a day, to tackle over 13 areas of "DevOps" to a foundational knowledge.

This will **not cover all things** "DevOps" but it will cover the areas that I feel will benefit my learning and understanding overall.

The quickest way to get in touch is going to be via Twitter, my handle is [@MichaelCade1](https://twitter.com/MichaelCade1)

**Progress**

* [✔️] ♾️ 1 > [Introduction](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day01.md)

**What is and why do we use DevOps**

* [✔️] ♾️ 2 > [Responsibilities of a DevOps Engineer](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day02.md)
* [✔️] ♾️ 3 > [DevOps Lifecycle - Application Focused](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day03.md)
* [✔️] ♾️ 4 > [DevOps & Agile](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day04.md)
* [✔️] ♾️ 5 > [Plan > Code > Build > Testing > Release > Deploy > Operate > Monitor >](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day05.md)
* [✔️] ♾️ 6 > [DevOps - The real stories](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day06.md)

**Learning a Programming Language**

* [✔️] ⌨️ 7 > [The Big Picture: DevOps & Learning a Programming Language](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day07.md)
* [✔️] ⌨️ 8 > [Setting up your DevOps environment for Go & Hello World](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day08.md)
* [✔️] ⌨️ 9 > [Let's explain the Hello World code](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day09.md)
* [✔️] ⌨️ 10 > [The Go Workspace & Compiling & running code](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day10.md)
* [✔️] ⌨️ 11 > [Variables, Constants & Data Types](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day11.md)
* [✔️] ⌨️ 12 > [Getting user input with Pointers and a finished program](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day12.md)
* [✔️] ⌨️ 13 > [Tweet your progress with our new App](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day13.md)

**Knowing Linux Basics**

* [✔️] 🐧 14 > [The Big Picture: DevOps and Linux](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day14.md)
* [✔️] 🐧 15 > [Linux Commands for DevOps (Actually everyone)](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day15.md)
* [✔️] 🐧 16 > [Managing your Linux System, Filesystem & Storage](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day16.md)
* [✔️] 🐧 17 > [Text Editors - nano vs vim](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day17.md)
* [✔️] 🐧 18 > [SSH & Web Server(LAMP)](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day18.md)
* [✔️] 🐧 19 > [Automate tasks with bash scripts](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day19.md)
* [✔️] 🐧 20 > [Dev workstation setup - All the pretty things](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day20.md)

**Understand Networking**

* [✔️] 🌐 21 > [The Big Picture: DevOps and Networking](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day21.md)
* [✔️] 🌐 22 > [The OSI Model - The 7 Layers](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day22.md)
* [✔️] 🌐 23 > [Network Protocols](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day23.md)
* [✔️] 🌐 24 > [Network Automation](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day24.md)
* [✔️] 🌐 25 > [Python for Network Automation](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day25.md)
* [✔️] 🌐 26 > [Building our Lab](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day26.md)
* [✔️] 🌐 27 > [Getting Hands-On with Python & Network](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day27.md)

**Stick to one Cloud Provider**

* [✔️] ☁️ 28 > [The Big Picture: DevOps & The Cloud](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day28.md)
* [✔️] ☁️ 29 > [Microsoft Azure Fundamentals](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day29.md)
* [✔️] ☁️ 30 > [Microsoft Azure Security Models](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day30.md)
* [✔️] ☁️ 31 > [Microsoft Azure Compute Models](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day31.md)
* [✔️] ☁️ 32 > [Microsoft Azure Storage & Database Models](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day32.md)
* [✔️] ☁️ 33 > [Microsoft Azure Networking Models + Azure Management](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day33.md)
* [✔️] ☁️ 34 > [Microsoft Azure Hands-On Scenarios](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day34.md)

**Use Git Effectively**

* [✔️] 📚 35 > [The Big Picture: Git - Version Control](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day35.md)
* [✔️] 📚 36 > [Installing & Configuring Git](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day36.md)
* [✔️] 📚 37 > [Gitting to know Git](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day37.md)
* [✔️] 📚 38 > [Staging & Changing](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day38.md)
* [✔️] 📚 39 > [Viewing, unstaging, discarding & restoring](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day39.md)
* [✔️] 📚 40 > [Social Network for code](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day40.md)
* [✔️] 📚 41 > [The Open Source Workflow](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day41.md)

**Containers**

* [✔️] 🏗️ 42 > [The Big Picture: Containers](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day42.md)
* [✔️] 🏗️ 43 > [What is Docker & Getting installed](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day43.md)
* [✔️] 🏗️ 44 > [Docker Images & Hands-On with Docker Desktop](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day44.md)
* [✔️] 🏗️ 45 > [The anatomy of a Docker Image](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day45.md)
* [✔️] 🏗️ 46 > [Docker Compose](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day46.md)
* [✔️] 🏗️ 47 > [Docker Networking & Security](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day47.md)
* [✔️] 🏗️ 48 > [Alternatives to Docker](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day48.md)

**Kubernetes**

* [✔️] ☸ 49 > [The Big Picture: Kubernetes](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day49.md)
* [✔️] ☸ 50 > [Choosing your Kubernetes platform](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day50.md)
* [✔️] ☸ 51 > [Deploying your first Kubernetes Cluster](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day51.md)
* [✔️] ☸ 52 > [Setting up a multinode Kubernetes Cluster](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day52.md)
* [✔️] ☸ 53 > [Rancher Overview - Hands On](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day53.md)
* [✔️] ☸ 54 > [Kubernetes Application Deployment](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day54.md)
* [✔️] ☸ 55 > [State and Ingress in Kubernetes](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day55.md)

**Learn Infrastructure as Code**

* [✔️] 🤖 56 > [The Big Picture: IaC](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day56.md)
* [✔️] 🤖 57 > [An intro to Terraform](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day57.md)
* [✔️] 🤖 58 > [HashiCorp Configuration Language (HCL)](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day58.md)
* [✔️] 🤖 59 > [Create a VM with Terraform & Variables](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day59.md)
* [✔️] 🤖 60 > [Docker Containers, Provisioners & Modules](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day60.md)
* [✔️] 🤖 61 > [Kubernetes & Multiple Environments](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day61.md)
* [✔️] 🤖 62 > [Testing, Tools & Alternatives](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day62.md)

**Automate Configuration Management**

* [✔️] 📜 63 > [The Big Picture: Configuration Management](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day63.md)
* [✔️] 📜 64 > [Ansible: Getting Started](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day64.md)
* [✔️] 📜 65 > [Ansible Playbooks](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day65.md)
* [✔️] 📜 66 > [Ansible Playbooks Continued...](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day66.md)
* [✔️] 📜 67 > [Using Roles & Deploying a Loadbalancer](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day67.md)
* [✔️] 📜 68 > [Tags, Variables, Inventory & Database Server config](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day68.md)
* [✔️] 📜 69 > [All other things Ansible - Automation Controller, AWX, Vault](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day69.md)

**Create CI/CD Pipelines**

* [✔️] 🔄 70 > [The Big Picture: CI/CD Pipelines](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day70.md)
* [✔️] 🔄 71 > [What is Jenkins?](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day71.md)
* [✔️] 🔄 72 > [Getting hands on with Jenkins](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day72.md)
* [✔️] 🔄 73 > [Building a Jenkins pipeline](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day73.md)
* [✔️] 🔄 74 > [Hello World - Jenkinsfile App Pipeline](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day74.md)
* [✔️] 🔄 75 > [GitHub Actions Overview](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day75.md)
* [✔️] 🔄 76 > [ArgoCD Overview](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day76.md)

**Monitoring, Log Management, and Data Visualisation**

* [✔️] 📈 77 > [The Big Picture: Monitoring](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day77.md)
* [✔️] 📈 78 > [Hands-On Monitoring Tools](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day78.md)
* [✔️] 📈 79 > [The Big Picture: Log Management](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day79.md)
* [✔️] 📈 80 > [ELK Stack](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day80.md)
* [✔️] 📈 81 > [Fluentd & FluentBit](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day81.md)
* [✔️] 📈 82 > [EFK Stack](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day82.md)
* [✔️] 📈 83 > [Data Visualisation - Grafana](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day83.md)

**Store & Protect Your Data**

* [✔️] 🗃️ 84 > [The Big Picture: Data Management](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day84.md)
* [✔️] 🗃️ 85 > [Data Services](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day85.md)
* [✔️] 🗃️ 86 > [Backup all the platforms](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day86.md)
* [✔️] 🗃️ 87 > [Hands-On Backup & Recovery](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day87.md)
* [✔️] 🗃️ 88 > [Application Focused Backups](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day88.md)
* [✔️] 🗃️ 89 > [Disaster Recovery](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day89.md)
* [✔️] 🗃️ 90 > [Data & Application Mobility](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/Days/day90.md)

**License**

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**Star History**

**About**

This repository is my documenting repository for learning the world of DevOps. I started this journey on the 1st January 2022 and I plan to run to March 31st for a complete 90-day romp on spending an hour a day including weekends to get a foundational knowledge across a lot of different areas that make up DevOps.

**Resources**

[Readme](https://github.com/hemanthkatkozu/90DaysOfDevOps/tree/main#readme)

**License**

[View license](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/LICENSE.md)

**Code of conduct**

[Code of conduct](https://github.com/hemanthkatkozu/90DaysOfDevOps/blob/main/CODE_OF_CONDUCT.md)

**Stars**

[**1** star](https://github.com/hemanthkatkozu/90DaysOfDevOps/stargazers)

**Watchers**

[**1** watching](https://github.com/hemanthkatkozu/90DaysOfDevOps/watchers)

**Forks**

[**5.4k** forks](https://github.com/hemanthkatkozu/90DaysOfDevOps/forks)

[Report repository](https://github.com/contact/report-content?content_url=https%3A%2F%2Fgithub.com%2Fhemanthkatkozu%2F90DaysOfDevOps&report=hemanthkatkozu+%28user%29)

[**Releases**](https://github.com/hemanthkatkozu/90DaysOfDevOps/releases)

[2 tags](https://github.com/hemanthkatkozu/90DaysOfDevOps/tags)

[**Packages**](https://github.com/users/hemanthkatkozu/packages?repo_name=90DaysOfDevOps)

No packages published

**Languages**

* Shell42.9%
* Go21.8%
* Python10.7%
* HCL8.9%
* Dockerfile5.7%
* Jinja4.6%
* Other5.4%

**Footer**