

# Making Students Industry Ready with CNCF Ecosystem as a Catalyst



*Open source is not just a way of building software; it's a philosophy that promotes **collaboration, transparency, and community**. Many of us use open source every day either in our professional life or in our hobby projects. By sharing code openly, developers from all over the world can contribute their skills, knowledge, and creativity to projects **that impact millions of users daily***

# Rohit Ghumare



**Principal Product Evangelist @Taikun**  
**Founder @devrelasservice**  
**CNCF Ambassador**  
**Google Developer Expert - Google Cloud**  
**Organiser @kcduk @cnclfwestminster**  
**@cnclfthane @kcdmumbai**  
**@devopsdaysblr**  
**Twitter @ghumare64**

# Nancy Chauhan

**Love Products | Engineer & Developer Advocate**

**Worked Blinkit, Gitpod, LocalStack**

**CNCF Ambassador, Founded Women In Cloud**

**Native Community**

**Led CNCF Sustainability Week 2024, TAG**

**Environmental Sustainability - Working Group**

**Comms co-chair**

**Love 🐱 & nature ❤️**

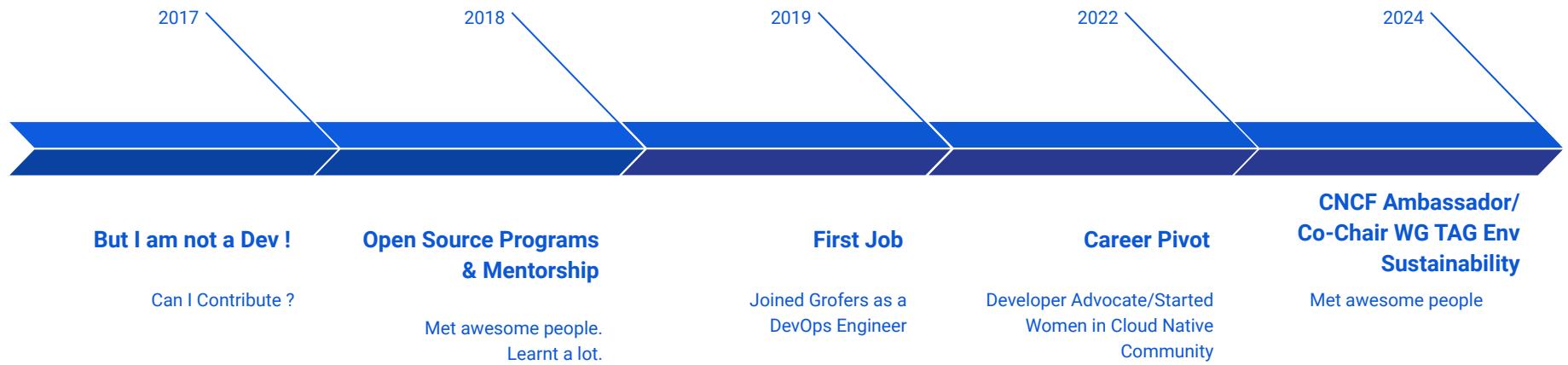




Crazy is learning K8s 😻



Nemo after seeing  
CNCF landscape 💀



# But I'm not a developer, can I still help?

## Updating Contact Page #1184

Closed

Nancy-Chauhan opened this issue on Oct 22, 2018 · 0 comments



Nancy-Chauhan commented on Oct 22, 2018 · edited

Member ...

There is a small correction to be made at Contact Page of <https://susper.com/contact>

Contact form word in the content should be redirected to contact form (to be filled) instead of only Contact as used at current site .

### Contact Us

#### Susper

93 Mau Than Street  
Can Tho  
Viet Nam  
Phone +84 (0) 907 65 29 27  
Email: support@susper.net  
Board of Directors: Hong Phuc Dang  
Susper Ltd. is registered in Can Tho, Viet Nam.

Report a safety or abuse issue affecting our products.

If you know of a safety or abuse problem with any of Susper's services, we'd like to hear about it right away. Please use our [contact](#) form to report the issue.



Nancy-Chauhan mentioned this issue on Oct 22, 2018

Fixes Issue #1184 Updating Contact Page #1181

Merged

# But I'm not a developer, can I still help? 🤔

Change in getting-started.md #443

Merged mithro merged 1 commit into [timvideos:master](#) from [Nancy-Chauhan:master](#) on Jun 19, 2018

Conversation 2 Commits 1 Checks 0 Files changed 1

Nancy-Chauhan commented on May 30, 2018

Addition in Step 4) Loading temporarily  
\$make gateware-load  
\$make firmware-load  
BIOS->serialboot  
\$make firmware-connect

Update getting-started.md ... Verified 55923ba

probot-autolabeler bot added the [level-docs](#) label on May 30, 2018

probot-autolabeler bot added [firmware-softcpu](#) [level-docs](#) [level-firmware](#) labels on Jun 10, 2018

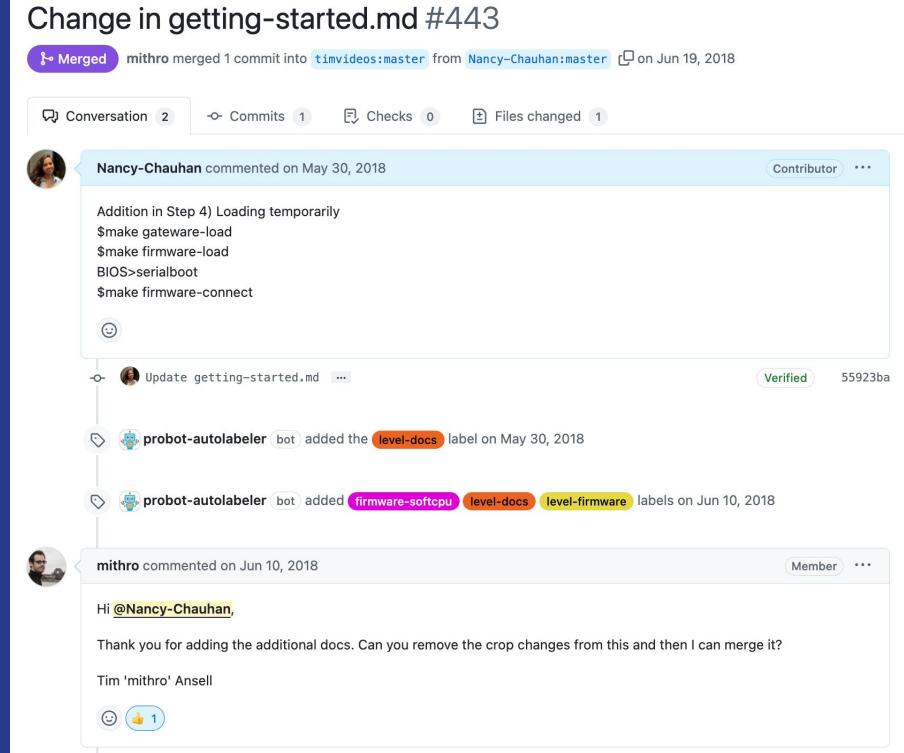
mithro commented on Jun 10, 2018

Hi @Nancy-Chauhan,

Thank you for adding the additional docs. Can you remove the crop changes from this and then I can merge it?

Tim 'mithro' Ansell

1 like



# Open source Programs & Mentorship



## Add resource utilization restrictions to Docker stuff #29

Open oleg-nenashev opened this issue on Feb 9, 2017 · 2 comments



oleg-nenashev commented on Feb 9, 2017

There is a risk that particular Docker images may kill the instance.



Nancy-Chauhan commented on Dec 16, 2018

@oleg-nenashev Using cgroups can be done to manage docker resources . Could it be a good idea ?



oleg-nenashev commented on Dec 17, 2018

It may do the job, but we will need to enable an experimental cgroups flag in the Master and Agent images:

<https://developers.redhat.com/blog/2017/04/04/openjdk-and-containers/>

Alternate way would be to try out the experimental Java 11 support which has been released in Jenkins last week:

<https://jenkins.io/blog/2018/12/14/java11-preview-availability/>



# Feedback & Iterations leads to Learning



-o- Pick zlib 1.2.11 and remove the tar.gz file f189ec5

oleg-nenashev approved these changes on Nov 11, 2018 View reviewed changes

oleg-nenashev left a comment Member ...

apt caches could be also removed in all images

...

fusesoc-icarus-quartus/Dockerfile Outdated

37	- RUN apt-get install -y python-yaml
38	- RUN apt-get install -y git
34	+ RUN apt-get update && apt-get install -y \
35	+ python2.7-dev libyaml-dev libyaml-dev python-pip python-yaml git

oleg-nenashev on Nov 11, 2018 Member ...

It's nice to also clear cache afterwards by rm -rf /var/lib/apt/lists

Nancy-Chauhan on Nov 11, 2018 • edited Author ...

@oleg-nenashev Done the changes . Please Kindly Review it . Thank you

Teaching and  
Learning go  
hand in hand ❤️



# First Job



 Nancy Chauhan  (She/Her) • 3:57 AM

This is Nancy , I m a graduate from IIIT UNA looking for internship/job opportunity at Grofers. I came across opening <https://grofers.recruiterbox.com/jobs/fk0fbxl/>. And found myself suitable for this role as I have been working on same technologies in my recent gsoc project . I would be quite greatful if I can be provided any refferal .

**Software Engineer - Infrastructure at Grofers**  
grofers.recruiterbox.com  
About Grofers: Grofers is a low-price online supermarket that ...

 nancy\_resume.pdf  
48 KB

I am attaching my resume for your reference

 Hey. I'll check my team

# Community Feedback



# Career Pivot



## CNCF Cloud Native Sustainability Week 2024

Cloud Native Sustainability Week is a global event where the CNCF community organizes local meetings around the theme of Cloud Native Sustainability. The Cloud Native Sustainability Week will take place at the first week of October 2024.



CLOUD NATIVE  
COMMUNITY GROUPS

Upcoming KCDs

Chapters

Events

Apply

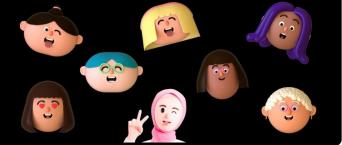


Log in

Meet us In Salt Lake City for KubeCon + CloudNativeCon NA - November 12-15

# TAC

## WOMEN IN CLOUD NATIVE



Virtual

### Women in Cloud Native



630 members

Welcome to Women in Cloud Native Community! We are a vibrant group of individuals united by our passion for building and sharing. Together, we embark on exciting projects, collaborate, and cultivate new skills. Our achievements are celebrated and serve as inspiration as we uplift and encourage one another. We are dedicated to fostering diversity in the Cloud Native space, providing unwavering support to all members.

Join us on this journey of development and learning as we create a welcoming and inclusive environment. Together, we can achieve great things!

#### Join us!

Are you an experienced female in Cloud Native Space? Or are you new and need help getting into OSS and Cloud Native?

Here's what to do:

1. Join us on [Discord](#) or Slack - #cncf-women channel on CNCF slack
2. Let's us know if you interested in conducting workshop or sharing your experience
3. Follow us on Social Media

# Current Challenges



Visibility of Resources

Training and Mentorship

Academic Curriculum

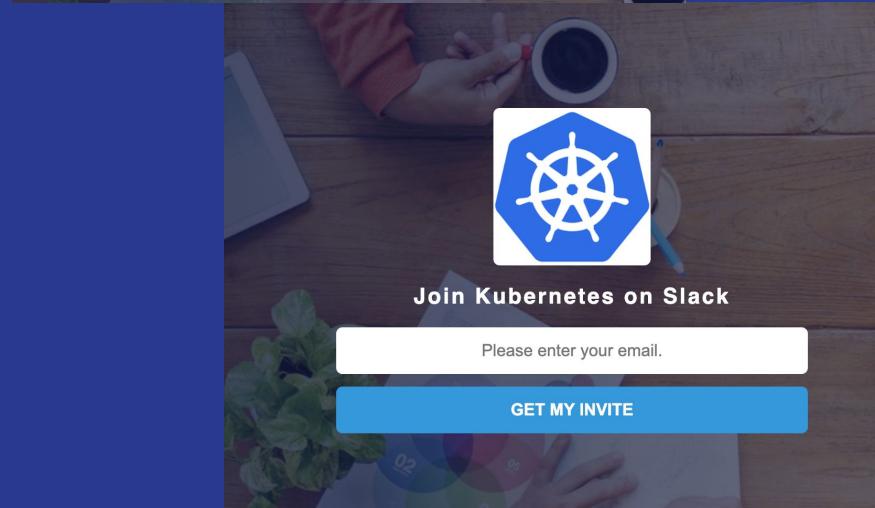
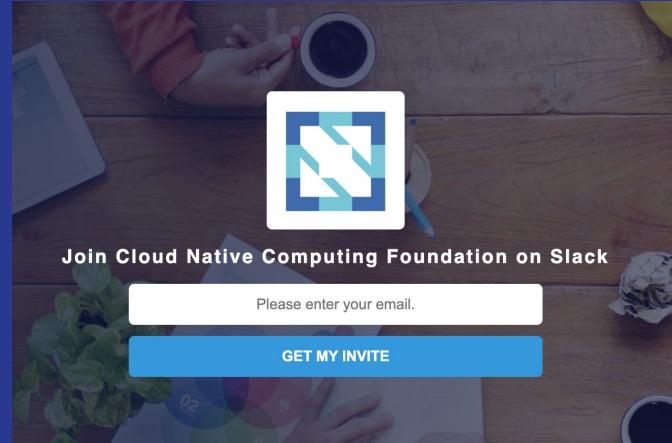


**Skill Gap**

How to get started



# Join the Community





# Choose the Project



<https://contribute.cncf.io/contributors/getting-started/>

**Do you want to start contributing to open source and need help figuring out where to begin?**

## Introduction

Open source is more than just a way of building software - it's a philosophy that promotes collaboration, transparency, and community. By sharing code openly, developers from all over the world can contribute their skills, knowledge, and creativity to projects that are used by millions of people every day.

The open source movement has changed how we create, share, and innovate, and it continues to grow and evolve. Whether you're a seasoned programmer or just starting out, open source provides an incredible opportunity to learn new skills, work with like-minded people, and make a difference in the world.

In this document, we'll explore how to get involved in open source, the knowledge you need to contribute, and how to become part of this amazing community. So, let's dive in and discover the exciting world of open source!

## Join the Community

To contribute to open source, it's important to join the community. Most open source projects have a website or a [GitHub](#) repository where you can find information on how to contribute.

Open-source projects often have multiple communication channels to facilitate collaboration and support. The most common channels include mailing lists, forums, chat rooms, and issue track-

# Find open issues suitable for new contributors



<https://clotributor.dev/>

CLOTRIBUTOR

Discover great opportunities to  
become a **Cloud Native** contributor

Search opportunities



Tip: Use **multiple words** to refine your search. Example: `gitops go`

You can search for *projects* or *technologies* you are interested in to find the opportunities  
that suit you the best, or [explore all opportunities](#) available.

Latest opportunities published



Jaeger

CNCF Graduated

11th Nov 2024 • #6198 • GOOD FIRST ISSUE

JAEGER ⚡ ⋮ 20.46k

Unit tests fail on go-tip ⚡

distributed-tracing cnfc tra

GO SHELL

# CNCF Mentoring Opportunities ✨



Google Summer of Code



Google Season of Docs



CNCF Zero to Merge



SIGs/WGs



CNCF Ambassadors

Rohit Ghumare | That #DevOps Guy 🚀 @ghumare64 · Promote ...  
2023 Ambassador and Mentorship programs which are open now !!

CNCF Ambassador: [cnf.io/people/ambassador](https://cnf.io/people/ambassador)...  
OnePlus Ambassador: [oneplus.in/campus](https://oneplus.in/campus)  
Outreachy Internship: [outreachy.org/apply/](https://outreachy.org/apply/)  
LFX Mentorship: [mentorship.linuxfoundation.org](https://mentorship.linuxfoundation.org)  
CNCF Zero to Merge: [project.linuxfoundation.org/cnfc-zero-to-m...](https://project.linuxfoundation.org/cnfc-zero-to-m...)

5:43 PM - Aug 6, 2023 · 24.2K Views  
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Post your reply

Rohit Ghumare | That #DevOps Guy 🚀 @ghumare64 · Aug 7, 2023 ...  
Tech Congress: [techcongress.io/apply/](https://techcongress.io/apply/)

Rohit Ghumare | That #DevOps Guy 🚀 @ghumare64 · Aug 7, 2023 ...  
Github Campus Experts are open now! [education.github.com/campusExperts](https://education.github.com/campusExperts)

# LFX Mentorship Timeline



## Program Schedule & Timelines

The Linux Foundation Mentorship Program follows the following term names; however, the program administrators can use any *Term* name during program creation. For details, see [program terms of Program Setup](#).

### Full-Time Terms:

#### Spring Term: March 1st - May 31st

- Mentorships available on LFX Mentorship: mid-January
- Mentee applications open on LFX: approximately 4 weeks
- Mentee application review and acceptance: approximately 2 weeks before the term begins.

 **Note:** Dates may vary based on project guidelines.

#### Summer Term: June 1st - August 31st

- Mentorships available on LFX Mentorship: mid-April
- Mentee applications open on LFX: approximately 4 weeks
- Mentee application review and acceptance: approximately 2 weeks before the term begins.

 **Note:** Dates may vary based on project guidelines.

#### Fall Term: September 1st - Nov 30th

- Mentorships available on LFX Mentorship: mid-July
- Mentee applications open on LFX: approximately 4 weeks
- Mentee application review and acceptance: approximately 2 weeks before the term begins.

### Full-Time Terms:

Spring Term: March 1st - May 31st

Summer Term: June 1st - August 31st

Fall Term: September 1st - Nov 30th

### Activity Timelines

Full-Time Mentorship Program (12 weeks)

Part-Time Mentorship Program (24 weeks)

Was this helpful?

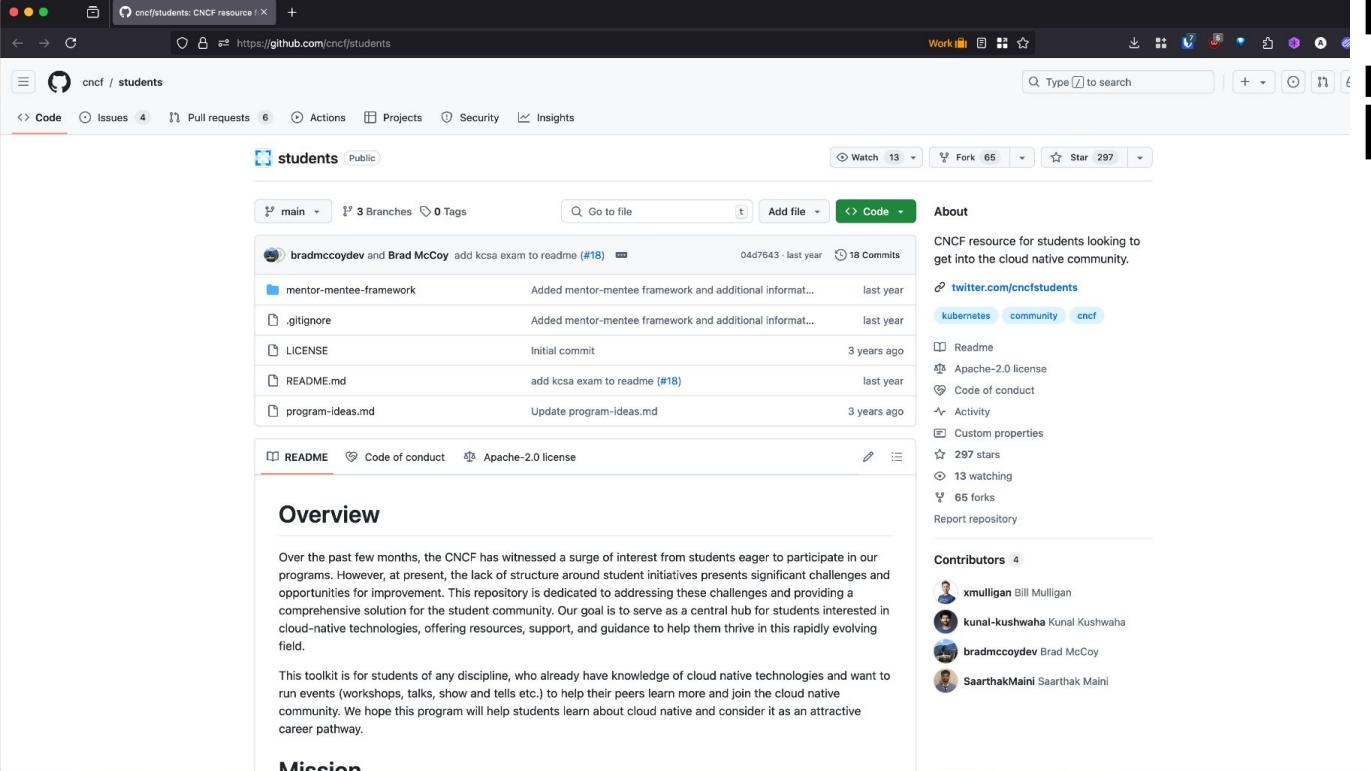


 Edit on GitHub

 Export as PDF

A screenshot of a web browser displaying the GitHub repository for the CNCF Mentoring program. The repository URL is <https://github.com/cncf/mentoring>. The page shows the main branch, 165 watchers, 615 forks, and 2.4k stars. The repository contains 1,737 commits from various contributors, including nate-double-u, updating auto labeler, refactoring the mentors repository, adding Mentoring WG meeting minutes, and updating LFX Program README. The repository also includes a README, Code of conduct, and Apache-2.0 license. A QR code is visible on the right side of the page.



A screenshot of a GitHub repository page for 'cncf/students'. The repository is described as a 'CNCF resource for students looking to get into the cloud native community'. It has 13 watchers, 65 forks, and 297 stars. The repository contains 3 branches (main, mentor-mentee-framework, .gitignore) and 0 tags. The main branch has 18 commits from bradmccoydev and Brad McCoy, with the latest commit being 'add kcsa exam to readme (#18)' made 04d7643 - last year. Other files include .gitignore, LICENSE, README.md, and program-ideas.md. The README includes links to the Code of conduct and Apache-2.0 license. The Overview section discusses the mission of the toolkit for students interested in cloud-native technologies. The Mission section outlines the goal of providing resources, support, and guidance for students. The Contributors section lists four individuals: xmulligan (Bill Mulligan), kunal-kushwaha (Kunal Kushwaha), bradmccoydev (Brad McCoy), and SaarthakMaini (Saarthak Maini).

cncf/students: CNCF resource for students

<https://github.com/cncf/students>

**Code** Issues 4 Pull requests 6 Actions Projects Security Insights

**students** Public

Watch 13 Fork 65 Star 297

main 3 Branches 0 Tags Go to file Add file Code

bradmccoydev and Brad McCoy add kcsa exam to readme (#18) 04d7643 - last year 18 Commits

mentor-mentee-framework Added mentor-mentee framework and additional informat... last year

.gitignore Added mentor-mentee framework and additional informat... last year

LICENSE Initial commit 3 years ago

README.md add kcsa exam to readme (#18) last year

program-ideas.md Update program-ideas.md 3 years ago

README Code of conduct Apache-2.0 license

## Overview

Over the past few months, the CNCF has witnessed a surge of interest from students eager to participate in our programs. However, at present, the lack of structure around student initiatives presents significant challenges and opportunities for improvement. This repository is dedicated to addressing these challenges and providing a comprehensive solution for the student community. Our goal is to serve as a central hub for students interested in cloud-native technologies, offering resources, support, and guidance to help them thrive in this rapidly evolving field.

This toolkit is for students of any discipline, who already have knowledge of cloud native technologies and want to run events (workshops, talks, show and tells etc.) to help their peers learn more and join the cloud native community. We hope this program will help students learn about cloud native and consider it as an attractive career pathway.

## Mission

**About**

CNCF resource for students looking to get into the cloud native community.

[twitter.com/cncfstudents](#)

kubernetes community cncf

Readme Apache-2.0 license Code of conduct Activity Custom properties 297 stars 13 watching 65 forks Report repository

**Contributors** 4

xmulligan Bill Mulligan  
kunal-kushwaha Kunal Kushwaha  
bradmccoydev Brad McCoy  
SaarthakMaini Saarthak Maini



# Cloud Native Certifications



- Prometheus Certified Associate
- Istio/Cilium Certified Associate
- Argo/GitOps Certified Associate



# How to Start ?

The best time to start was yesterday.  
The second best time is now!

Start with Basics (tutorials & docs)

Ask questions!

Learn with community

Read, read and read !

# Resources to learn



<https://github.com/cncf/mentoring>

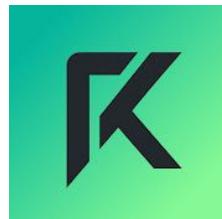
<https://presentations.cncf.io/>

<https://github.com/saiyam1814/DevOpsRoadmap2022>

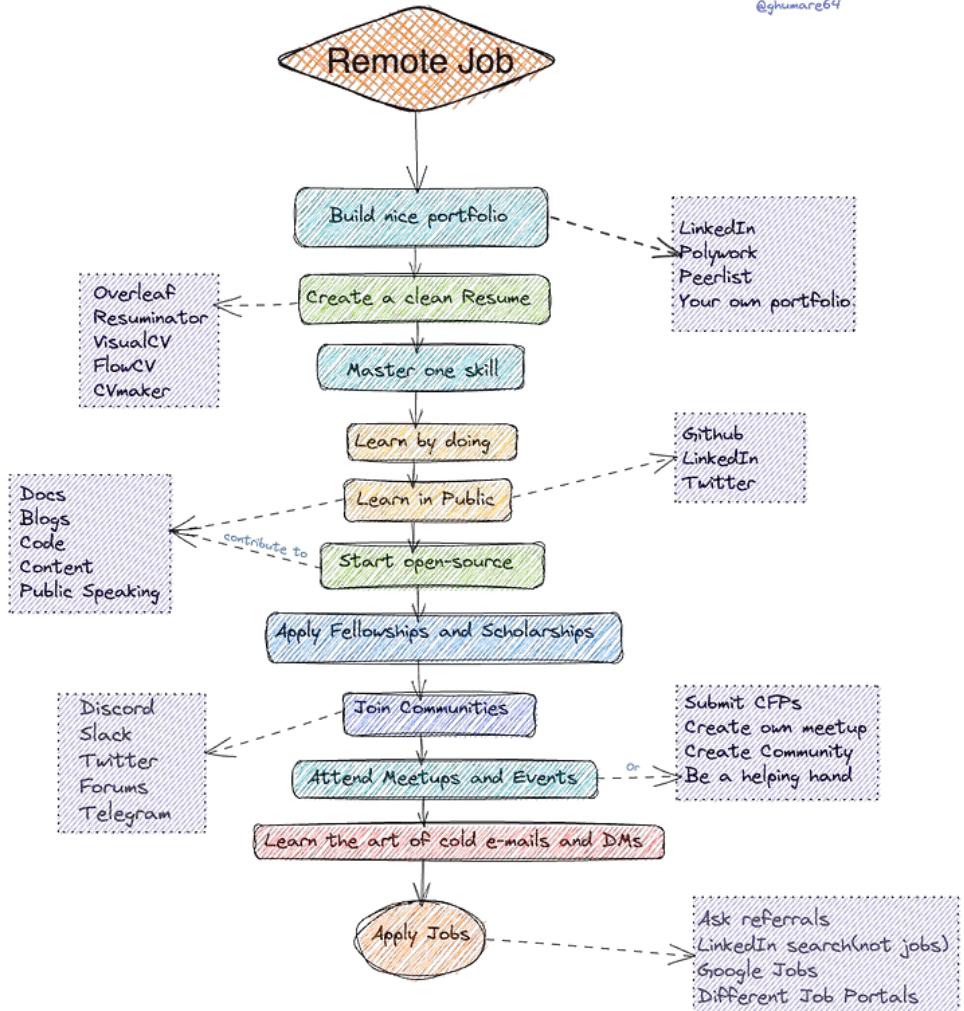
<https://github.com/rohitg00/DevOpsCommunity>

<https://github.com/MichaelCade/90DaysOfDevOps>

<https://cncf.io>



# Path to Get Job



# Find Local Communities



# Discover Community Groups

[North America](#)

[Latin America](#)

[Europe](#)

[Africa](#)

[Asia](#)

[Oceania](#)

[Virtual](#)

[CNCF Hosted Projects](#)

[Community Days](#)

Technical Advisory Groups

**BOSTON, MA**  
United States 

**CLOUD NATIVE ATLANTA, GA**  
United States 

**CLOUD NATIVE CANADA**  
Canada 

**CLOUD NATIVE DC**  
United States 

**CLOUD NATIVE DALLAS, TX**  
United States 

**CLOUD NATIVE MADISON, WI**  
United States 

**CLOUD NATIVE MIDTOWN, NY**  
United States 

**CLOUD NATIVE MINNEAPOLIS, MN**  
United States 

**CLOUD NATIVE NOVA, VA**  
United States 

**CLOUD NATIVE SALT LAKE CITY, UT**  
United States 

**CLOUD NATIVE SAN FRANCISCO, CA**  
United States 

**CLOUD NATIVE SECURITY PITTSBURGH, PA**  
United States 

**CLOUD NATIVE TORONTO, ON**  
Canada 

**KCD SF BAY AREA, CA**  
United States 

**KUBERNETES AUSTIN, TX**  
United States 

**LOS ANGELES, CA**  
United States 

**NEW YORK KUBERNETES MEETUP, NY**  
United States 

**OTTAWA, ON**  
Canada 

**PALO ALTO, CA**  
United States 

**SAINT LOUIS, MO**  
United States 

**SOUTH FLORIDA, FL**  
United States 

**VANCOUVER, BC**  
Canada 

**VIRTUAL PROJECT EVENTS 2024 (HOSTED BY CNCF), CA**



# Conclusion



**Keep Contributing:** Continue working on projects you enjoy to build consistency and expertise.

**Attend Local Meetups:** Join CNCF meetups to stay updated and expand your network.

**Participate in Open Source Programs:** Programs like GSoC (Google Summer of Code) and LFX Mentorship offer structured opportunities to contribute to real projects

**Engage with SIGs/WGs:** Participate in Special Interest Groups and Working Groups to deepen your knowledge.

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# Thank you!

Let's connect 

[nancychauhan.com](http://nancychauhan.com)  
[devopsguys.in](http://devopsguys.in)

