

Aroop Gochhayat

DevOps Engineer

Hi ! I'm a Devops Engineer with around 3 years of experience working mostly with startups, and I've learnt to deliver quality output in a very high pace and pressure environment. I'm always on the lookout for a challenging problem and learning opportunities

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📍 Bengaluru, India

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📞 7735679592

📄 that-devops-guy.github.io/aroop-gochhayat/



WORK EXPERIENCE

Asst. Manager - Devops netmeds.com (Reliance Retail)

08/2022 - Present

Chennai,India

Online Pharmacy Acquired By Reliance Retail Ltd.

Achievements/Tasks

- Designated Mr. Fixer (worked closely with developers and helped debug code as well as do RCA for issues faced)
- Migrated a diverse set of Legacy applications like .NET4.5 in windows server and modern applications hosted in ECS Fargate to Kubernetes infrastructure in GCP
- Did a complete migration of application and Infrastructure from AWS to GCP in two weeks
- Created a GitOps based CI/CD pipeline in GCP using Cloudbuild, and ArgoCD
- Managed a set of 6 kubernetes clusters alone including Windows kubernetes clusters for .NET applications
- Familiar with the build process and dependency management for a range of languages (Java,Python,NodeJs,AngularJs,.NET4.5, PHP,Golang)
- Implemented a cost effective centralized logging architecture by leveraging kubernetes sidecar containers ,google cloud logging and BigQuery.
- Achieved a Zero downtime CDC migration of application databases.
- Setup a Site-To-Site VPN between AWS VPC and GCP VPC for seamless interaction between services during migrations

Contact : Inderjeet Singh - 9650060424

DevOps Engineer Skit.ai

08/2021 - 04/2022

Bengaluru,India

Voice AI CX Company

Achievements/Tasks

- Tools and Technologies used: Grafana · Prometheus · Kubernetes · Python · Cloud Computing · Shell Scripting · AWS · Docker · Jenkins · Helm · EKS · GKE · MongoDB · Git
- Roles and responsibilities : Manage & Maintain Infrastructure as Code, worked with Docker, Kubernetes & Helm charts to migrate current on-prem environment to GCP, Implemented Monitoring & Alerting for Jenkins & Application servers using Prometheus & Grafana tools.

Contact : Mithun Arunan - 9787197804



TECHNICAL SKILLS

Cloud Providers

AWS, GCP, Digital Ocean

CI/CD

ArgoCD, GitlabCI, Github Actions, Jenkins,Cloud Build,Code Build

Systems Administration

CentOS, RedHat, Ubuntu, Shell Scripting

Designing

Distributed Systems, Solutions Architecture

Webservers

Apache, Nginx, IIS

Configuration Management

CHEF

IaaS

Terraform, Cloudformation

Observability

Prometheus, Grafana, Loki, CloudWatch, Google Ops Centre

Programming

Python, PHP, Bash Scripting

Orchestration Tools

Kubernetes, Docker-Compose, ECS Fargate, Cloud Run, AWS Lambda, Cloud Functions

Service Mesh / Others

Linkerd, Istio, Writing Helm Charts

Databases

Basic SQL, MongoDB, BigQuery for Analytics



SOFT SKILLS

Time Management

Attention to Detail

Presence of Mind

Verbal and Written Communication

Identifying and Prioritizing tasks



WORK EXPERIENCE

Assistant Systems Engineer

Tata Consultancy Services

11/2020 - 08/2021

Chennai, India

Achievements/Tasks

- Created a Prometheus, Grafana detailed Monitoring System with alertmanager.
- Implemented OpenEBS open source block storage implementation for reducing cost in kubernetes infrastructure. and scaling self managed NFS storages indefinitely.
- Made infrastructure fault tolerant to incorporate GKE Preemptive engines to reduce costs.
- Created a centralized logging system by using open-source Elasticsearch, Logstash, Kibana (ELK/EFK) stack implementation for real time log monitoring.
- Implemented Open Source Serverless frameworks using kubernetes and Fission/Knative to avoid cloud lock-in in AWS Lambda/Google Functions and have larger support for custom runtimes

Devops Intern

Dcoder

07/2020 - 09/2020

Bengaluru, India

Mobile friendly IDE for code development and execution

Achievements/Tasks

- Created containers to run on server less approach orchestration (Fargate), EKS (Elastic Kubernetes Service) and ECS EC2 as well on server approach along with load balancing and auto scaling of containers.
- Configured Service Discovery and App Mesh to setup communication between micro-services, along with the health status of the running tasks in a pod.
- Created and updated AWS Infrastructure using AWS Cloud formation.
- Setup MONGO-DB High Availability 3 node cluster with Cross region replication

Contact: Shubham Soni - 9982492369

Cloud Research Intern

IIT Madras Research Park

02/2019 - 05/2019

Chennai, India

Kaatru - Air Quality data company

Achievements/Tasks

- Developed REST API's in PHP for IoT devices to interact with AWS cloud servers and store data in RDS

Contact: Satish Swaminathan - 9087132068



EDUCATION

Bachelors of Technology (B.Tech) - Computer Science and Engineering

National Institute of Science and Technology

08/2016 - 06/2020

8.08/10.0 CGPA



ACHIEVEMENTS

Tata Consultancy Services - Inframind 2019 Runner Up

Annual Hackathon conducted by TCS (CBO) Through this contest, the participants will experience some of these cutting-edge technologies and will be mentored by the key SME Team who would be guiding the participants through each stage of the contest

The Indian Express Article

Got featured in the Indian Express Edex article <https://www.edexlive.com/news/2019/jun/14/this-project-by-iit-madras-students-will-tell-you-the-air-quality-of-the-roads-you-drive-on-6605.html>

National Student Project Awards, Computer Society of India (CSI) | 2019

Computer Society of India Trivandrum Chapter Conducts a yearly National Student Project Awards, We won 2nd runner up at Trivandrum. <https://csiawards.inapp.com/2019-winners/>



CERTIFICATES

Google Cloud Certified Associate Cloud Engineer

Codefresh Certified GitOps Administrator



CONFERENCES & COURSES

AWS Certified Solution's Architect Associate (via AWS Educate Student certification)

AWS Educate

Microsoft Windows Server 2019 Administration

Edx MOOC

Programming with Python

Udemy



PERSONAL PROJECTS

Portfolio/Blogging Website

- <https://that-devops-guy.github.io/aroop-gochhayat>
- A Portfolio cum Blogging site

Kaatru - Geographical Air Quality monitoring system

- <https://www.kaatru.org/>
- Created the GIS Map using Openstreetmap
- Created REST API for IoT devices to send data and stored in SQL database, Mapped the values to openstreetmap GIS interface.

Setting Kubernetes cluster on on-premise bare metal servers

- Set Up a kubernetes cluster in an On-Premise system using Kubeadm and MetalLB for Load Balancing