Anuj Gupta Email - 1anujgupta123@gmail.com | Phone +91 8796588001 | LinkedIn | GitHub

EDUCATION

o Jawahar Institute of technology JIT Nashik, CGPA: **8.6**   2019 – 2022
o Vidyalankar Polytechnic, Wadala, Mumbai   2017 – 2019

GLOBAL CERTIFICATIONS

o **RedHat Certified Engineer (RHCE)** - scored (**295**/300) **98%** **Verify-Certificate**   Dec 03, 2021 – Dec 03, 2024
o **RedHat Certified Specialist in Containers and Kubernetes (EX180) -** scored **84%**   Sep 09, 2021 – Sep 09, 2024

EXPERIENCE

o **Platform Engineer, Mavenir Systems, Bangalore**   **Sep 2022 - Present**

- Implemented **Sealed Secrets** for secure data management and integrated **Keycloak** for **SSO**, enhancing cluster security and streamlining access for 50+ users/applications

- Migrated PostgreSQL instances to **Postgres Operator** (Crunchy Data), significantly improving database reliability by and scalability across the openshift cluster

- Integrated **Redis** to scale Gitea StatefulSets for High Resiliency, improving application response times by **15%**, and transitioned Gitea to **RWX StorageClass** for enhanced data consistency and performance in openshift cluster (resolved the issue of service unavailability due to a node failure with Gitea pod, as cache is managed by redis, seamless file modification even with node deletion in a multi-node cluster)

- Deployed **Cert-Manager** and **Secret Generator**, automating TLS certificate provisioning for **20+ services** and reducing manual secret management overhead by **40%**

- Developed Python scripts to automate **Keycloak** and **Gitea** post-installation configuration, reducing deployment time by **up to 2 hours per cluster**

- Engineered robust backup jobs for **all 10+ platform components** (10 latest versions, 1-week retention) and created upgrade scripts, enabling seamless platform and component (MIO, IMS) transitions within the **MDCA project**, reducing upgrade downtime by **50%**

- **Configured AWS EKS cluster** and deployed the **MIO component standalone**, setting up AWS Ingress Controller, ACM certificates, and Route53 for public access

o **DevOps Intern , Mavenir Systems, Bangalore**   May 2022 – Sep 2022

o **DevOps and Backend Intern, Lineup Technology Services Private Limited, Mumbai (**Oct 2021 – April 2022)

- Led the migration of a legacy website to a **containerized** and **cloud-native environment**, improving deployment efficiency by **80%**

- Designed and executed **Docker Compose POC** for local deployments, validating containerization strategy

- Provisioned and managed **AWS ECS (Dev)** and **AWS EKS (Prod)** environments, ensuring scalable and resilient infrastructure

- Established automated **CI/CD pipelines** using **GitHub Actions**, streamlining image building, **ECR** pushes, and **Terraform-based ECS** deployments for rapid iteration

- Automated end-to-end infrastructure deployment and deletion using **Terraform**, reducing provisioning time by **90% (from hours to minutes)**, enabling one-click operations

- Configured **public access** for web services via domain acquisition, **AWS ACM** certificates, and **Route 53** integration.

- Successfully migrated and published the LineupX web application with **live clients and users** to **AWS**, transitioning from traditional deployment methods to a modern cloud infrastructure.

- Integrated **Algolia database** with backend, also developed **search functionality** using **JavaScript** and **Node.js** for filtering candidates based on all candidate database fields.

o **ARTH The school of technologies, Linux World | TEAM LEAD | Jaipur, India |**   Oct 2020 – Oct 2021

       DevOps (Jenkins, Ansible, Kubernetes, Docker, Pod-man, Terraform, OpenShift)

       AI (Deep Learning, Data Science), **Cloud Computing** (AWS, GCP, Azure), **Big Data** (Hadoop), **DSA**

o **ML-Ops Summer Internship at LINUXWORLD INFORMATICS PVT LTD | Jaipur India (**May 2021 – July 2021)

    Worked on various technologies like ML/DL, DevOps, CI/CD pipeline, FLUTTER

o **Intern at ORBIT SHIFTERS PVT LTD | DEEP LEARNING | Hyderabad**   Oct 2020 – Sep 2020

SKILLS

Data Science	**Python, Deep Learning, Machine Learning**
DevOps and Cloud	Kubernetes, OpenShift, Git, GitHub, Docker, Pod-man , AWS, AZURE, GCP, **Ansible, Jenkins, terraform ,RHEL, ubuntu, Centos, Fedora**

PROJECTS

o **APP TO AUTOMATE ENTIRE CENTOS/RHEL OS BASED CONFIGURATION AND TASKS**
The entire process of configuration of clusters like Hadoop, the process of creating the partition, LVM,yum configuration, etc can be done in **1** click. Medium link - click here for the article

o **ANSIBLE ROLE TO AUTOMATE END TO END CREATION OF HADOOP CLUSTER ON AWS | HADOOP, ANSIBLE**
The entire setup of Hadoop cluster is automated using Ansible.

o **WEB APP TO MANAGE KUBERNETES CLUSTER.**
Medium link - https://1anujgupta123.medium.com/task-9-st2021-68726671aeab

o **AUTOMATED THE PROCESS OF CONFIGURING HAPROXY (Auto scale-in and scale-out).**
As soon as the worker node is added to the inventory file of ansible under the webserver group ansible will automatically update the HAPROXY conf file for that node. Similarly, remove when a node is removed from the inventory file.

o **INTEGRATED LVM CONCEPT WITH HADOOP AND PROVIDED ELASTICITY TO DATA NODE STORAGE |HADOOP, LINUX(LVM)** Integrated LVM with Hadoop and provided elasticity to data node storage now we can increase or decrease the size of thestatic partition in Linux-based OS which we have associated with data node for storage.

o **CREATED CI/CD PIPELINE USING GITHUB-ACTIONS or JENKINS.**

o **VIDEO CHAT APP USING PYTHON AND OPENCV**
Used Socket Programming and Multi-Threading to transfer and receive image data to simulate video callingMedium link - https://1anujgupta123.medium.com/live-stream-video-app-open-cv 3-abad53b131f6

OPENSOURCE

o **GirlScript Winter of Contributing 2021** (selected as a contributor in Machine Learning domain)

GLOBAL TRAINING:

o **RHCE(ansible)**, **RHCSA(Linux/RHEL8)**, **CKA/CKAD(Kubernetes)**, **AWS (CSA) and Developer track, Terraform.**