MANHAR SAINI

☎ (+91) 9729042811

📍 Gurugram, Haryana

✉ manharsaini@gmail.com

🌐 www.linkedin.com/in/manharsaini/

KEY SKILLS

- **Kubernetes Administration**
- **Kubernetes Deployment**
- **Kubernetes Cluster Management**
- **Linux System Administration**
- **Docker and Kubernetes**
- **Continuous Integration and Continuous Deployment (CI/CD) pipeline.**
- **JENKINS**
- **SQL**
- **Container Orchestration**
- **PYTHON**
- **A.W.S (ECS, EKS)**
- **Git/GitHub**
- **Terraform**
- **Microsoft Azure**

ACHIEVEMENTS

- **2 SPOTLIGHT AWARDS**: For Quality Product Delivery.
- Excellent Performance and Quality work Feedback from Client.

EDUCATION

- **Bachelor of Technology in Computer Science and Eng.**
  SRM UNIVERSITY: 2015-19

Member of Technical Staff - II

DevOps Engineer | Kubernetes | AWS & Azure | CI/CD Automation | IaC

Dynamic and results-driven DevOps Engineer with **5+ years** of experience in automating, optimizing, and supporting mission-critical deployments in cloud and on-prem environments. Proven expertise in **building and managing** robust **CI/CD pipelines** using **Jenkins** and **GitHub**, infrastructure provisioning with **Terraform**, and container orchestration using **Kubernetes (EKS/AKS)** and **Helm**. Skilled in **scripting** with **Python** and **Bash** to automate workflows and monitoring tasks. Adept in managing **Linux**-based systems, **Docker** image optimization. Hands-on experience with **AWS (EC2, ECS, RDS, EKS)** and **Azure (App Services, AKS)**, and **recognized** with **multiple Spotlight Awards** for outstanding contributions in DevOps excellence.

CAREER CONTOUR

M.T.S-II, MAVENIR SYSTEMS Pvt. Ltd.

Gurugram, Haryana Feb. 2020 – Present

Job Responsibilities:

- Utilized **Git and GitHub** for source code version control, implementing branching strategies, merging, rebasing, and resolving conflicts and managing code across feature, development, and release branches and managing collaborative workflows through pull requests and protected branches.
- Integrated **GitHub with Jenkins** and Developed and maintained robust **CI/CD pipelines**, automating build, test and deployment processes for containerized and cloud-native applications hosted on **AWS (EC2, ECS)** and **Azure (App Services, AKS)**.
- Managed **Infrastructure as Code (IaC)** with **Terraform**, storing and versioning configuration files in GitHub repositories, and enabling **automated provisioning** to **AWS (VPC, EC2, RDS)** and **Azure (VNets, Storage Accounts, Virtual Machines)** via Jenkins pipelines.
- Configured **GitHub Webhooks** to trigger Jenkins jobs on **code commits** for **Terraform plan** and **apply**, enforcing code review and approval before deploying infrastructure changes in cloud environments.
- Implemented pre-commit hooks and GitHub checks for code quality, linting, and security scans to ensure consistent and secure code practices.
- Integrated Terraform validate, tflint, and AWS/Azure security scanners into GitHub-based CI pipelines to ensure code quality and infrastructure compliance and security best practices.
- Created **optimized Docker images** for microservices, reducing build size and startup time by using **multi-stage builds** and minimal base images; stored and versioned **Dockerfiles** in GitHub.
- Managed Kubernetes deployments using Helm charts stored in GitHub, with Jenkins triggering deployment workflows to EKS (AWS) and AKS (Azure) clusters based on Git events.
- Automated routine DevOps tasks using **Python scripts** and **Bash** on **Linux servers**, including log rotation, monitoring hooks, and **deployment verifications**.
- **Optimized pipelines** by introducing **parallel stages**, **caching** mechanisms, and environment-specific configurations, resulting in **reduced build times** and faster feedback loops.
- Wrote and executed SQL queries for post-deployment validations in MySQL environment.
- Orchestrated the deployment of containerized applications using **Kubernetes**, **Helm**, and **Docker**, reducing deployment time by 40% and increasing release frequency.
- Created **Kubernetes Deployments** and managed **ReplicaSets** to ensure efficient scaling and management of application instances.
- Implemented **scheduling** strategies for **Pods**, including **labels and selectors**, to optimize resource utilization and workload distribution.
- Configured Kubernetes **taints and tolerations**, **Node Affinity**, and **Resource requirements** and **limits** to control pod placement and optimize performance.

- Implemented and managed **DaemonSets** for deploying system-level agents and **static pods** for specialized workloads.
- Implemented **rolling updates and rollbacks** on **deployments** and **pods** to minimize downtime and ensure seamless application updates.
- Configured applications using Kubernetes **ConfigMaps** and **environment variables**, enabling flexible and dynamic configuration management.
- Deployed **multi-container pods** using Kubernetes **PodSpecs**, orchestrating complex application architectures with ease.
- Developed **scripts** in **Python** to **automate** routine tasks, such as resource provisioning, configuration management, and health checks of application pods.
- Collaborated closely with development teams to define Kubernetes best practices, provide technical guidance, and **troubleshoot** deployment issues.
- Supported the monitoring and **troubleshooting of production systems**, ensuring optimal performance and reliability.
- Contributed to the development of Helm charts and Kubernetes manifests to standardize application deployment and configuration management.
- Assisted in the setup and configuration of Kubernetes clusters for development and testing environments, gaining hands-on experience with cluster architecture and components.
- Install and Configure Redhat/CentOS **linux** on **virtual environment**.
- Install and Configure Redhat/CentOS **linux** on **AWS** environment using **EC2** instance.
- Perform system updates and install required **repos**(**rpm and yum**).
- Create **processes** and schedules (systemctl, ps, top, kill, crontab and at)
- **Monitor system** using commands (top, df, dmesg, iostat 1, netstat, free, etc.)
- **Log** monitor when system have issues.
- Run **system utility** commands (date, uptime, hostname, which, cal, bc, etc.)
- Linux **file system** Management.
- **User Account** Management and **Password** Management.
- Create files and directories at user and root level.
- Utilize **pipes** to manage outputs.
- Everyday use of filters and text processing commands (cut, sort, grep, awk, uniq, wc).
- Compare Files (diff, cmp).
- File system information using commands such as (uname, dmidecode, /etc/redhat-release etc.).
- Switch users and sudo access (su, sudo).
- Monitor user's activity.
- Create critical files with **vi editor**.
- Setup **aliases** for ease of management.
- Manage OS network (ping, ifconfig, netstat, tcpdump, networking config files).
- Manage DNS, NTP, Sendmail etc.
- Creating Soft and Hard links.
- Add disk and create standard **partition**.
- Add Disk and create new **LVM partition** (pvcreate, vgcreate, lvcreate).
- Adding swap space : dd, mkswap, swapon or swapoff.
- **LVM (Logical Volume Management)** Configuration During Install.
- Worked on **A.W.S** Services like **EC2, ECS, EKS** and **CloudFormation**.
- Received the **Spotlight Award** continuously for **two years** in recognition of outstanding contributions and leadership within the **DevOps team**.