**SRINATH KARKAMPALLY**

**Emali**: srinathkarkampally@gmail.com | **Mobile**: +916302917003 | Hyderabad

**CAREER OBJECTIVE:**

To work as a DevOps Engineer in environment growth for my career which leads to further growth in my professional skills and personal satisfaction by utilising my skills and ability to work for the growth of an organisation.

**SKILLS:**

* SCM Tools : Git, GitHub, BitBucket
* Build Tool: Maven
* CI/CD : Jenkins
* Containerization: Docker, Kubernetes
* Infra As Code: Terraform
* Configuration Management: Ansible
* Monitoring: Prometheus & Grafana
* OS: Windows & Linux
* Cloud: AWS

**PROFILE SUMMARY:**

* Having Around 2.3 years of IT experience in Networking and Build and Release/DevOps Engineering in automating, building, deploying, and releasing code with focus on DevOps tools and AWS Cloud Architecture.
* Having a good experience working in the DevOps area, working with various CI/CD implementations involving different phases from code compilation to deployment, Environment management, and maintenance.
* Collaborated with development and operations teams to streamline release cycles and improve deployment processes.
* Automated repetitive tasks and manual interventions using scripting languages and configuration management tools.
* Conducted regular system audits and implemented security best practices to ensure compliance with industry standards.
* Provided technical guidance and support to team members, fostering a culture of continuous learning and innovation.
* Solid experience with Linux (Ubuntu and RedHat) operating systems.
* Hand-on experience on Infrastructure as a code (IAAC) Terraform.
* Automated infrastructure Deployment by using Jenkins pipeline.
* Worked on a CI/CD Jenkins for automating the entire application deployment life cycle process.
* Worked on Jenkins jobs for end to end Application deployment.
* Good Knowledge of creating users and restricting permissions to the jobs and giving access to the respective jobs by customising the permissions in Jenkins.
* Good Experience of storing artifacts in S3 buckets by enabling versioning and Enabling S3 Bucket Cross Region Replication.
* Worked on Docker like managing containers, and images, and establishing the communication between the containers.
* Knowledge on working with docker Swarm and Stack.
* Good Experience of configuration management tool Ansible.
* Worked on web server Apache2, Nginx, and Databases like RDS.
* Orchestrated Kubernetes clusters to deploy and manage containerized applications, ensuring high availability, scalability, and efficient resource utilisation.
* Configured Kubernetes resources such as Pods, Deployments, Services, and Ingress to streamline application deployment and networking.
* Implemented Kubernetes best practices for container orchestration, including rolling updates, auto-scaling, and load balancing, resulting in improved application reliability and performance.
* Collaborated with development teams to containerize applications and deploy them to Kubernetes clusters, enabling rapid deployment and continuous delivery.
* Provided support and troubleshooting for Kubernetes-related issues, including pod and node level issues.
* Implemented monitoring solutions using Prometheus and Grafana to track system performance, collect metrics, and visualise data for effective decision-making.
* Configured Prometheus to scrape metrics from various sources including Kubernetes, applications, and infrastructure components, ensuring comprehensive monitoring coverage.
* Leveraged Argo CD for GitOps-based continuous delivery, automating application deployment and ensuring consistency across multiple environments.
* Hands-on experience in Working on AWS cloud services IAM, VPC, EC2, S3, Elastic Block Storage, Elastic Load Balancer, Autoscaling Groups and Elastic BeanStalk.
* Experienced in designing and implementing Terraform modules and templates to ensure consistency, scalability, and reliability in infrastructure deployments.
* Proven ability to troubleshoot Terraform configurations and optimise infrastructure code for performance, security, and cost-effectiveness.
* Maintaining statefiles on S3 buckets.

**Professional Experience: (2022-till date)**

**PROJECTS:**

Project :

Client : Exyte

Role : DevOps Engineer

Environment : AWS Cloud, Git, Maven, Jenkins, Docker, Kubernetes, Apache Tomcat & Terraform

**ROLES & RESPONSIBILITIES:**

* Designed, implemented, and maintained CI/CD pipelines using Jenkins, enabling efficient and automated code compilation, testing, and deployment processes.
* Managed Jenkins jobs for end-to-end application deployment, ensuring seamless integration and delivery of code changes.
* Created the Dockerfiles based on the code and built the docker files to create custom images.
* Compressing the docker images by using multi stage docker files and pushing those images into Docker Hub.
* Scanning the image by using the tool called Trivy.
* Orchestrated Kubernetes clusters for deploying and managing containerized applications, ensuring high availability, scalability, and efficient resource utilisation.
* Configured Kubernetes resources including Pods, Deployments, Services, and Ingress, PV & PVC implementing best practices for container orchestration.
* Creating Namespaces to isolate the services and environments of our applications.
* Troubleshoot and resolve Kubernetes-related issues, including pod and node-level problems, ensuring minimal downtime and maintaining application reliability.
* Implemented monitoring solutions using Prometheus and Grafana, tracking system performance, collecting metrics, and visualising data for effective decision-making.
* Collaborated with development and operations teams to streamline release cycles, improve deployment processes, and ensure smooth operation of the software development lifecycle.
* Provided technical guidance and support to team members, fostering a culture of continuous learning and innovation.
* Deployed and managed AWS cloud infrastructure, leveraging services such as EC2, S3, VPC, Elastic Load Balancer & Autoscaling groups using Terraform based on Business needs
* Automated infrastructure provisioning using Terraform, ensuring consistent, repeatable, and scalable deployments across multiple environments.
* Automated repetitive tasks and manual interventions using scripting languages and configuration management tools, enhancing operational efficiency and reducing human error.

**CERTIFICATION:**

* AWS Certified Cloud Practitioner

**EDUCATION:**

**STRENGTHS:**

* Team Player
* Adaptability
* Quick learner

**PERSONAL DETAILS:**

Name : Srinath Karkampally

Date of Birth : 02-10-1999

Gender : Male

Languages : English, Telugu

Marital Status : Single

Linkedin : url

**DECLARATION:**

I hereby declare that the above information is true to the best of my knowledge and belief and request to give me an opportunity to serve in your esteemed organisation.

Srinath Karkampally

Hyderabad