Goutham Sai Kumar M

Email : gouthamsaikm@gmail.com

Phone : +91-8106609481

OBJECTIVE

Seeking a challenging career in an honored organization to grow professionally by strengthening my functional and technical skills, and earning good reputation with which I work, by putting the goals of organization as the prime objective.

PROFESSIONAL SUMMARY

- Around 4 years of overall IT experience, including as a **Cloud DevOps** Engineer specializing in **AWS** and **Azure** platforms.

- Proficient in using **AWS** Services such as **EC2, S3, VPC, VPN, IAM, AutoScalling, Cloud watch, Route53, Lambda, Cloud Formation, WAF, Shield, Elastic Beanstalk, Code Pipeline, Code Build, ECS, EKS.**

- Hands on experience on **Azure Cloud** Platform services like **Kubernetes Engine, Compute Engine, Stack driver Monitoring, VPC, and Load balancing.**

- Expertise in container platforms such as **Kubernetes** and **Docker** for secure and highly available deployments.

- Deep expertise in **kubernetes** operations, including production –grade cluster management, auto scaling ,

- Helm chart development, **RBAC** configmaps, ingress controllers and network policy enforcement.

- Hands on experience in **installing & upgrading K8s clusters** (including worker nodes), implementing **auto scaling** for nodes, creating **kubernetes services** (**ClusterIP, Node Port & Load Balancer**), using **horizontal pod auto scaling** and troubleshooting issues both at application & cluster level.

- Experience in Version Control tool like **GIT** by defining best **branching strategies, branch securities** and **branch policies**.

- Integrated **Terraform** with **CI/CD** pipelines (**Jenkins/GitLab**) for automated provisioning and deployments.

- Integrated **Python** scripts with **APIs**(**AWS Boto3**) and tools line **Jenkins**, **Terraform**.

- Performed infra automation tasks using Configuration management software like **Ansible**.

- **Troubleshoot** and resolve issues within the **Docker** and **kubernetes** environment.

- Taking care builds and deployments in local, **staging** and **production** environments.

- Implement **CI/CD** pipelines using tools like **Jenkins, GitHub Actions, GitLab CI**, etc.
- Experience in supporting applications on different platforms **Windows** and **Linux** environments.

- Experienced in **Shell Scripting**, **PowerShell, Java, Groovy** and **Python**.

- Conducted regular **monitoring**, logging, and troubleshooting of **Kubernetes** clusters using tools like **Prometheus, Grafana**, and **ELK** stack to ensure optimal performance and reliability.

- Experience integrating **Datadog** for infrastructure and application monitoring.

- Created custom dashboards using **Datadog** and alerts for proactive incident management.

- Worked on log aggregation and metric correlation to troubleshoot issues with **Datadog**.

- **Automated Datadog** setup using Terraform for consistent deployments.

- Implemented centralized monitoring using Prometheus for metrics scraping **Grafana** for dashboards visualization across **kubernetes** and EC2 Environments.

❖ Worked as a DevOps Engineer at Tech Mahindra from Dec 2021 to till date.

❖ Bachelor Of Technology from CMR , 2021.

Technical Proficiency

SKILL AREA	TECHNICAL SKILLS
Cloud Platforms:	Amazon AWS, Azure
Scripting Languages	Shell Sripting,Python
Infrastructure as a code:	Terraform, CloudFormation
CI/CD:	Jenkins, Cloud Build
Source Management Tools:	GitHub, GIT
Bug Tracking & ITSM Tools:	Jira, ServiceNow
Monitoring Tools:	Cloud Watch,Splunk & Stack Driver
Collaboration Tools:	JIRA, Confluence, MS Teams
Operating Systems: Container	Linux, RHEL, Ubuntu, Windows 98/XP/7/Vista/8 Docker, Kubernetes

Project #2   **May 2023 to Oct 2025**

Project   : **Nebula Score Cloud**
Client   : **MicroSoft**
Role   : **DevOps Engineer**

Environment: AWS, Azure, AKE, Terraform, GitHub, Jira, Windows, Cloud Run, Cloud SQL.

Roles &Responsibilities

➢ Develop and manage CI/CD process for different types of application using and automate as many processes as possible using Azure DevOps Tools.
➢ Monitoring the dash board of the application in the elastic search, checking the error codes and   mailing to corresponding teams.
➢ Support development teams in technical questions of continuous integration/continuous delivery, delivery organizations
➢ Created regional bucket to upload and download the encrypted application code.
➢ Built docker images, tagged as per project id pushed to container registry.
➢ Initially, Cloned the Code from Git Repo and built Docker images for the same.
➢ Deploying cloud-native applications and monitoring and supporting a Kubernetes environment.
➢ Worked on creating Kubernetes clusters for dev, prod environments.
➢ Worked on infrastructure with Docker containerization and maintained Docker Images and containers.
➢ Maintained Docker images by using Google Container registry.
➢ Performed Infrastructure maintenance tasks such as ensuring system availability, performance, capacity, and continuity through proper response to incidents, events and problems.
➢ Participate in review meetings of various deliverables for release/projects.
➢ Providing Production support, application development support and support to Maintenance teams.
➢ Managing the release and deployment activities to the Test environment and production environment.
➢ Documented the entire installation process for various tools and provided on-call support.

- Daily checking the health status of the Server in the projects CUG, UAT and Prod environments and mailing to the corresponding teams.
- Creating the Environment for the application that is need to migrate from on-premises to the.
  Google cloud Servers with application team and vendor team.

Project #1   Dec 2021 to Apr 2023

Name	:	**OTM (ONLINE TOKEN MANAGEMENT)**
Client	:	**CHARLES SCHWAB (BANKING)**
Role	:	**DevOps Engineer**

Environment: **AWS, GIT, GITHUB, JENKINS, DOCKER, KUBERNETES & Terraform**

Description: OTM (Online Token Management) is third layer of security added to user account so that user can have to safely authenticate him/her self. If involves a third-party application (both desktop and a device) based authentication security code generated every 30 seconds. Once the user authenticates himself, he will be landing on the account summery page.

Roles &Responsibilities

- Develop and manage CI/CD process for different types of application using and automate as many processes as possible using AWS DevOps Tools.
- Involved in the process of hosting/deploying the entire application into AWS.
- Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications.
- Configured Jenkins and Maven for build and deployment.
- Responsible for releases, doing builds and managing build system using Jenkins.
- Associating with Build & Release team to setup Jenkins server & nodes for distributing the Jenkins jobs.
- Configuring GIT server and proving access for developers for check in, checkout and resolving merging conflicts.
- Worked on container networking and standard Infrastructure maintenance tasks on Docker and Kubernetes platform,
- Handle multiple builds from Development team, create build and perform deployment activities.
- Support development teams in technical questions of continuous integration/continuous delivery, delivery organizations

Place: Bangalore   **(Goutham M)**