

SURYA SARATHI PAHARI

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Career Objective:

Results-driven DevOps Engineer with extensive experience in designing and implementing solutions that consistently exceed customer expectations. Proficient in Docker, AWS, Azure, Jenkins, and Kubernetes, with a strong command of DevOps tools and expertise in automating cloud infrastructure through a seamless CI/CD pipeline.

Professional Summary:

- Over 3 years of hands-on experience as a DevOps Engineer, adept at implementing DevOps best practices across the software development lifecycle, including Continuous Integration, Continuous Delivery, source code management, and infrastructure automation.
- Expert-level knowledge of Kubernetes, encompassing Pods, Nodes, Clusters, Services, Load Balancers, Deployments, and Networking.
- Extensive expertise in Linux and UNIX environments with a strong focus on automation tools, containerization, CI/CD pipelines, and cloud computing technologies.
- Proficient in Amazon AWS services, including EC2, IAM, EKS, S3, AMI.
- Demonstrated experience in enabling end-to-end CI/CD deployment pipelines using Jenkins, GitHub workflows, Azure Devops and AWS CodePipeline.
- Experienced in containerization workflows, from building Docker images to managing Docker containers and Kubernetes in production environments.
- Strong knowledge of source code management using Git, with repository management expertise on GitHub and ADO.
- Proficient in using Maven as a build tool for Java projects and ensuring reliable builds.
- Hands-on experience with Ansible for configuration management and automation of various services.
- Well-versed in Scrum Agile methodologies, including daily stand-ups, sprint planning, and backlog management.
- Excellent interpersonal and communication skills, enabling effective client interactions and collaboration across teams.
- Quick learner with the ability to adapt and implement modern technologies efficiently.

Projects Profile:

1 Infosys Cortex

Duration: Jan'2024-present

Role: Python developer expertise in genai

Project Description:

Infosys Cortex, an Artificial Intelligence (AI)-driven customer engagement platform, transforms contact center operations through purposeful communication and smart decision-making capabilities. It extracts and converts microdata from customer interactions into insights for real-time action.

Responsibilities:

- Developed a Conversation Analytics solution leveraging Python and Generative AI to analyze call center recordings, assess agent performance, and identify areas for improvement, providing actionable insights and performance scores.
- Designed and deployed the solution as a serverless function using Knative, optimizing infrastructure requirements and ensuring scalability.
- Implemented end-to-end workflows for efficient data processing and analysis, ensuring high accuracy and reliability in the performance evaluation metrics.
- Collaborated with cross-functional teams to align technical implementation with business goals, delivering a solution that significantly improved operational efficiency.

2 Infosys Cortex

Duration: Nov'2021-Jan'2024

Role: Devops Engineer

Responsibilities:

- Built Kubernetes clusters from scratch, ensuring seamless setup and resolving all associated issues to maintain a robust and reliable infrastructure.
- Deployed and configured Istio as a service mesh and ingress, enhancing networking capabilities and enabling secure, scalable communication between services.

- Implemented NGINX Ingress for efficient traffic management, providing load balancing, routing, and SSL termination for Kubernetes workloads.
- Conducted performance optimization and troubleshooting across the Kubernetes environment, ensuring high availability and operational stability.
- Managed **Amazon EKS** and **Azure AKS** clusters, showcasing strong cloud expertise in provisioning, scaling, and maintaining cloud-native Kubernetes environments.
- Provisioned and maintained **EC2 GPU instances** for compute-intensive workloads, ensuring optimal performance and cost efficiency.
- Utilized automation tools such as **Jenkins**, **GitHub Actions**, and **Azure DevOps (ADO)** to design and implement end-to-end CI/CD pipelines for **Cortex**, streamlining development and deployment processes.
- Deployed log tracking and monitoring solutions using the **EFK stack** (Elasticsearch, Fluentd, Kibana) for log aggregation and analysis, and **Prometheus**, **Node Exporter** and **Grafana** for system and application monitoring.
- Implemented advanced observability practices with **Kubernetes Dashboard**, **Kiali** for service mesh visualization, and **Jaeger** for distributed tracing.
- Developed and utilized **Bash scripts** for automated Kubernetes cluster provisioning and one-click deployment of the entire **Cortex infrastructure**, significantly reducing setup time and human error.

Technical Skills:

- Programming Languages: Python, Spring Boot
- DevOps Tools: Docker, Kubernetes, Linux, Shell Scripting
- Version Control & CI/CD: Git, Jenkins, IDP, ArgoCD, Azure DevOps
- Cloud platforms: AWS, Amazon Elastic Kubernetes Service(EKS), GKE, AKS

Academic Profile:

- Bachelor of Technology (B.Tech), Maulana Abulkalamazad University of Technology (2021) with an aggregate of 81%
- Higher Secondary (10+2) , Ramkrishna Mission VidyaBhaban (2016) With an aggregate of 88.2%
- Secondary (10th), Ramkrishna Mission VidyaBhaban (2014) With and aggregate of 88%

Certification:

- **Infosys Certified Docker and Kubernetes Practitioner**

Personal Profile:

Name : Surya Sarathi Pahari

Gender : Male

Language Known : English, Hindi, Bengali

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Kolkata