RISHABH

Sr. DevOps Engineer

aws

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📍 Mathura, Uttar Pradesh

SUMMARY

Experienced DevOps Engineer with 5 years of expertise in application development and deployments. Recognized for consistently delivering high-performance solutions and driving success through cloud technologies, CI/CD practices and various automations. Proven ability to streamline processes and optimize workflows, resulting in increased efficiency and reliability across projects. Passionate about innovation and committed to staying abreast of emerging trends to contribute effectively to the advancement of technology solutions.

EXPERIENCE

Sr. DevOps Engineer

Cybage Software

📅 April 2023 – Present   📍 Pune

Client: *Eptura*

- Lead the establishment of a comprehensive development environment on AKS, overseeing the seamless replication of databases from QA to Dev through Azure DevOps pipelines, ensuring service's functionality.
- Managing access to various stack such as Okta, Github, Azure, Cloudflare, Confluent Kafka and many more.
- Unified all production environment checks such as SSL, HTTPS, TCP under a single platform from Uptime Robot, StatusCake, Datadog etc, and seamlessly integrating with Status Page features at Uptime.com
- Developed shell scripts to automate Kubernetes pod garbage memory collection and Codefresh pipeline resource cleanup, ensuring optimal resource utilization
- Developed python scripts to create and manage Kafka topics in Confluent Kafka
- Established MongoDB Atlas Organization to meet engineering team requirements, orchestrating the deployment of dedicated clusters for both production and development environments. Implemented robust security measures, including private connections via VNet peering and IP access lists, ensuring secure data transmission and access control
- Provided proactive support and guidance to internal teams including engineering to troubleshoot and resolve infrastructure-related issues, pipeline inefficiencies, and queries. Leveraging expertise in various technologies and best practices. Collaborated closely with team members to address challenges, optimize workflows, and enhance system performance, fostering a culture of continuous improvement and knowledge sharing within the organization.

DevOps Engineer

Cybage Software

📅 April 2022 – March 2023   📍 Pune

Client: *Eptura*

- Streamlined Azure resource provisioning with Terraform and Terragrunt, developing reusable modules for Power BI Gateway, Azure Function App, CosmosDB, and more, enhancing efficiency and consistency across environments.
- Orchestrated monthly AKS node OS upgrades through automated shell scripts and Codefresh pipelines, ensuring cluster security and performance.
- Executed meticulous manual Kubernetes version upgrades, expertly navigating version dependencies to safeguard service stability
- Implementing security best practices and compliance standards within infrastructure code.
- Championed infrastructure as code practices with Flux and SOPS for GitOps, promoting streamlined configuration management and audit trails.
- Integrated Codefresh for CI and Argo Workflows for service deployment, empowering rapid and reliable application release cycles.

- Implemented Datadog for comprehensive infrastructure monitoring, proactively identifying potential issues and optimizing resource utilization
- Implemented secure remote access solutions by configuring OpenVPN and Azure VPN connections, facilitating efficient and secure collaboration.
- Streamlined application access by enabling Single Sign-On (SSO) from Azure AD to critical tools like Datadog and OpenVPN, improving user experience and security.
- Provided Organization wide training on Terraform and Docker.
- Demonstrated exceptional troubleshooting skills, resolving Kubernetes issues, addressing Flux complications, and crafting new Argo Workflows to automate complex tasks

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DevOps Engineer
Tata Consultancy Services

📅 May 2019 – March 2022   📍 Noida

Client: *Bayer*
- Proficient in architecting and sustaining GitLab CI/CD pipelines to facilitate seamless application deployment, aligning with DevOps principles.
- Skilled in constructing Docker images for R Shiny applications via Dockerfile, with a deep understanding of containerized workloads.
- Automated the creation and modification of AWS infrastructure utilizing Infrastructure as Code (IaC) tools such as Terraform, streamlining deployment processes and ensuring consistent and reproducible infrastructure configurations.
- Engaged extensively with a variety of AWS services including IAM, EC2, ELB, Autoscaling, VPC, and S3, implementing robust solutions and architectures to meet diverse business requirements.
- Developed comprehensive architecture diagrams and infrastructure PPTs to visually articulate plans and strategies, facilitating clear communication of technical concepts and project roadmaps to stakeholders and team members

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Client: Jaguar Land Rover
- Proficient in implementing monitoring solutions using supported tools such as OBM, NNMi, BMC Discovery, and others. Ensuring comprehensive visibility and proactive management of IT infrastructure and services.
- Managed Remedy tickets by ensuring timely responses and adherence to SLAs. Maintaining effective communication with stakeholders, and resolving issues promptly to uphold service quality and customer satisfaction.
- Implemented a POC by deploying Prometheus and Grafana as a monitoring solution, enabling real-time monitoring, alerting, and visualization of key metrics to enhance system observability and operational efficiency.
- Designed and developed batch and shell scripts for streamlined agent installation, tailored specifically for monitoring purposes. Ensuring efficient deployment and configuration across diverse system environments.
- Conducted a POC by automating agent deployment on VMs utilizing Ansible. Streamlining the provisioning process and demonstrating the effectiveness of automation in enhancing deployment efficiency and scalability.

POCs: AWS Business Unit
- Proficient in orchestrating the deployment of containerized workloads on AWS EKS clusters. Demonstrated understanding of various Kubernetes objects including Pods, ReplicaSets, Deployments and Services to effectively manage and scale containerized applications in a Kubernetes environment.
- CICD pipelines utilizing Jenkins and AWS native services like CloudDeploy and CloudPipeline, streamlining the software delivery process and ensuring seamless integration
- Integrated various tools including Maven and Nexus into the software development lifecycle, optimizing build processes and artifact management. Possess working knowledge of static code analysis tools like SonarQube, ensuring code quality and adherence to best practices throughout the development process.
- Proficient in deploying applications across various platforms, including VMs, containers, AWS EKS clusters, and Elastic Beanstalk environments. Leveraging a diverse set of deployment strategies tailored to specific application requirements and infrastructure needs.

CERTIFICATIONS

AWS Certified Developer - Associate

📅 June 2021 – June 2024

EDUCATION

B.Tech, E.C.E

Kalasalingam Academy of Research & Education

📅 2019

CGPA: 8.3

Intermediate

Shriji Baba Saraswati Vidya Mandir

📅 2014

Percentage: 83%

ACHEIVEMENTS

🏆 **Promotion within one year at Cybage**

⭐ **Star of the Month**
For developing scripts to Agent Installation and ansible playbooks for HPOV Team in JLR

💗 **On the spot award**
For walkthrough session on DevOps methodologies and tools

STRENGTHS

Continuous Learning | Eye for detail | Analytical thinking | Team Player | Hard Working
Problem Solving Skills | Leadership Skills

SKILLS

CI/CD: Azure DevOps, Codefresh, Jenkins

Container: Docker
Orchestration: Kubernetes

Iac: Terragrunt, Terraform, Ansible, Saltstack

Cloud: Azure, AWS

CDN: Cloudflare

Language: Python, Shell Script

SCM: Git

Linux