Amit Sahu

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About Me

Over 3 years of hands-on expertise in AWS DevOps Engineer with designing, implementing, and maintaining cloud infrastructure solutions. Proficient in leveraging AWS services to optimize system performance, automate deployment processes, and ensure scalability and reliability of applications. Skilled in CI/CD pipelines, infrastructure as code, and containerization technologies. Adept at collaborating with cross-functional teams to streamline workflows and drive continuous improvement. Passionate about staying abreast of emerging technologies and best practices in cloud computing to deliver innovative solutions that meet business objectives.

Experience

DevOps Engineer   **March 2022 – July 2024**
COMPANY: RLABS ENTERPRISE SERVICE [CLIENT :SAP LABS INDIA]

- Experienced in using source code management tools such as Git, GitHub, Git Lab and optimized code collaboration by designing a branching strategy, reducing conflicts and boosting developer productivity.
- Streamlined software delivery by developing 15+ Jenkins CI/CD pipelines by creating build and deploy templates as per project requirements, and maintaining central templates for different applications.
- Ensuring software delivery reliability by swiftly troubleshooting build and deployment issues, resolving outages promptly, and performing root cause analysis efficiently.
- Integrated SonarQube for static code analysis into Jenkins for automatic testing and quality checks, ensuring code quality and adherence to best practice.
- Experienced in Ansible for configuration management.
- Introduced Docker for containerization, facilitating consistent application packaging and deployment across multiple environments(QA, UAT, Vlab, Production).
- Utilized Kubernetes cluster to orchestrate the deployment using Helm Charts, scaling, and management of Docker containers, enhancing application availability and scalability.
- Implemented Terraform for IaC, allowing automated provisioning of infrastructure resources and ensuring environment consistency and scalability.
- Integrated Prometheus and Grafana for real-time monitoring and proactive issue resolution, reducing mean time to resolution (MTTR) by 40 percent.
- Actively participated in an Agile software development environment that utilized the Scrum process, using Jira for project management, ServiceNow for production releases and support.
- Application runtime upgrades using Jenkins.
- Gathering system requirements from Cloud watch, Dynatrace and Kibana, and designing cloud support protocols for addressing performance specifications.
- Good understanding of AWS services, including EC2, EKS, VPC, S3, RDS, IAM, Autoscaling, and Route53,Lambda

Experience

Devops Trainee   Feb 2021 – March 2022
COMPANY: Dugong Pvt Ltd.

- ∗ Providing multi-tier support for operational and technical issues
- ∗ Responsible for monitoring the application's performance and identifying and resolving issues that affect the application's availability or performance.
- ∗ Building CI/CD pipeline using GIT, Jenkins, Maven.
- ∗ Coordination with Development team to fix the Build related issues.
- ∗ Branching, tagging, release activities on Version Control Tool GIT.

Education

RTMNU,Nagpur University   Nagpur, MH
Bachelor of Engineering, Civil   *May. 2015 – Apr 2019*

Technical Skills

Infrastructure Services: DNS, HTTP, Nginx, Apache, Reverse Proxy, Load Balancers, MySQL, RDS
Languages: Bash Scripting, Basic Python
Cloud and Operating Systems: AWS,Azure, Linux (RedHat, Ubuntu, Amazon Linux)
CI/CD Tools: VS Code, Git, GitHub, Git-lab, Jenkins, Maven, SonarQube, Nexus
Configuration Management and Infrastructure as a Code: Ansible, Terraform
Containerization and Orchestration: Docker, Kubernetes, ArgoCD
Monitoring and Logging: Prometheus, Grafana, ELK,Cloud Watch, Dynatrace, Kibana.
Ticketing Tool: SNOW, Jira
API: Postman

Projects

- Containerization and deployment of Java Application using Docker, Maven Jenkins.
- DevOps CI/CD pipelines using GitHub, Jenkins, Ansible, Nexus, Docker and Kubernetes on AWS.
- Automation of Infra using Terraform.