YOGESH N P

With 5 years of comprehensive experience in AWS DevOps and Cloud environments, I specialize in developing, testing, debugging, and troubleshooting containerized infrastructures. Proven expertise in establishing and maintaining well-engineered, maintainable, and timely solutions. Adept at working with business and engineering partners to deploy robust infrastructure across private, public, and on-premises platforms.

Work Experience

AWS Cloud Engineer, Invisia

Aug 2023 - Jun 2024

- Developed, tested, debugged, and troubleshooted containerized infrastructures to ensure high availability and performance.
- Engineered and maintained solutions that are well-architected, maintainable, and delivered on schedule.
- Deployed new infrastructure for private and public cloud platforms, collaborating closely with business and engineering teams.
- Monitored system health, latency, and availability; managed on-call incident and change management.
- Enhanced team learning by providing mentorship and technical leadership.
- Established automated DevOps release management pipelines supporting next-gen application development and production operations.
- Cultivated a Continuous Integration/Continuous Delivery (CI/CD) mindset, troubleshooting code build and deployment issues.
- Managed deployment and licensing for Kubernetes/container platforms, both software and hardware.
- Implemented security protocols for applications and development processes, ensuring robust configuration management practices.
- Composed and leveraged Infrastructure as Code using CloudFormation and Terraform for repeatable deployments.
- Designed and reviewed cloud architecture diagrams, deploying solutions per standards.
- Engineered cloud operational standards, reviewed and updated existing services.

DevOps Engineer, InnoWave

Aug 2022 - Jul 2023

- Managed cloud and containerized environments setup in AWS..
- Troubleshooted integration issues with CI/CD workflows, managing both cloud virtualized and physical machine configurations.
- Worked on application migrations from on-premises to the cloud, providing architectural recommendations.
- Automated deployment and orchestrated governance/security of infrastructure using appropriate tools.
- Designed, reviewed, built, and managed Kubernetes clusters in multi-cloud environments.
- Managed IAM permissions in the cloud, ensuring least privilege access to services.
- Worked with vendors to integrate new tools/services, adhering to change control procedures and policies.

Contact

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Skills

Cloud Platform

- AWS

Containerization

- Docker
- Kubernetes

CI/CD

- GitLab CI
- Jenkins
- ArgoCD

Infrastructure as Code

- Cloud Formation
- Terraform

Scripting

- Python
- Powershell
- Linux

Monitoring

- CloudWatch
- Prometheus
- Grafana

Version Control

- GitLab
- Gitea

Database

- DynamoDB

DevOps Engineer, TechDeva Infotech

Jun 2019 - Jul 2022

- Assisted in developing and maintaining containerized infrastructure solutions.
- Supported the establishment of CI/CD pipelines, automating deployment processes.
- Participated in troubleshooting build, deployment, and product release issues.
- Collaborated with stakeholders to ensure smooth application migrations to the cloud.
- Provided documentation and reports to management; fulfilled on-call support duties.

Achievements

Designed and Implemented CI/CD Pipelines

- **Transformed Deployment Infrastructure:** Established a comprehensive CI/CD pipeline architecture from scratch for Web, Android, and iOS applications, addressing the lack of existing infrastructure.
- **Tool Integration and Automation:** Configured and integrated GitLab, Maven, Nexus, SonarQube, Docker, Jenkins, Argo CD, and Kubernetes into a cohesive CI/CD system within a Kubernetes environment.
- **Enhanced Team Collaboration:** Automated the deployment process, enabling seamless access and collaboration for different teams (DEV, QA, PROD), thereby improving performance and ease of use.

Automated Android & iOS Builds

- **Streamlined CI/CD Workflow:** Automated Android CI/CD workflow with Gitea Actions to generate APK files on weekly basis.
- **Increased Efficinecy:** Eliminated manual deployment, allowing developers to focus more on development and functionality improvements, thereby saving significant time.

Streamlined Angular Deployments

- **Automated Deployment Process:** Developed GitLab CI/CD scripts to automate building and deploying Angular code to AWS Amplify.
- **Build and Deploy Stages:** Configured build artifacts storage, AWS CLI setup, S3 deployment, and CloudFront cache invalidation.
- **Improved Efficiency:** Replaced manual deployment process, enabling faster and more reliable code updates through CloudFront.

Set Up Kubernetes Environments

- **Cost-Effective Deployment:** Transitioned Kubernetes environments from AWS EKS to DigitalOcean to reduce costs, as per organizational guidelines.
- **Multi-Environment Configuration:** Successfully set up development, QA, and production environments on DigitalOcean.
- **Web Application Deployment:** Created Kubernetes clusters and deployed web applications, configuring Ingress for external access to end-users, developers, and testers.

Optimized Data Import and Integration

- **Enhanced Data Reliability:** Improved the accuracy of data integration by developing robust Python scripts to handle real-time data dumps from the Ratehawk Travel Details API into DynamoDB, ensuring data consistency and integrity.
- **Achieved High Success Rate:** Implemented a two-step validation process to capture and reprocess missed data, achieving a 100% success rate in data import.
- **Minimized Operational Costs:** Reduced data dump costs by optimizing the import process, using DynamoDB's efficient data handling capabilities.