PRATHIK M R

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DevOps Engineer with 1 year of experience in designing and implementing scalable cloud architectures using AWS services. Proficient in automation tools and continuous integration/deployment pipelines, with hands-on experience in containerization technologies like Docker and Kubernetes. Skilled in scripting with Shell and Python, and adept at monitoring system performance using Prometheus and Grafana. Demonstrated ability to collaborate with cross-functional teams to enhance system reliability and performance.

EDUCATION

Bapuji Institute of Engineering and Technology, Davangere   **August 2023**

Bachelor of Engineering (Department of Computer Science and Engineering)

STRENGTHS AND EXPERTISE

- Amazon Web Services (AWS): VPC, EC2, S3, SNS
- Version Control: Git
- Continuous Integration/Continuous Deployment (CI/CD): Jenkins
- Containerization: Docker, Kubernetes
- Infrastructure as Code: Terraform
- Operating Systems: Linux
- Scripting Languages: Shell, Python for DevOps
- Monitoring Tools: Prometheus, Grafana

PROFESSIONAL EXPERIENCE

DevOps Cloud Engineer   **May 2024 – Present**

Tata Consultancy Services, Mumbai

I contributed to the design and implementation of scalable AWS cloud architectures, automated deployment pipelines using Jenkins and Git, and managed container orchestration with Docker and Kubernetes, enhancing system reliability and deployment efficiency.

- **Designed and implemented AWS VPC architecture**: Created a secure and scalable Virtual Private Cloud (VPC) environment, including subnets, route tables, and gateways, enhancing network performance and security.
- **Hosted web applications using S3 with versioning**: Deployed static websites on Amazon S3 with versioning enabled, facilitating seamless rollbacks and ensuring high availability.
- **Established CI/CD pipeline for Java applications**: Integrated Git, Jenkins, Docker, SonarQube, and Maven to automate the build, test, and deployment processes, reducing deployment time and increasing release reliability.

PERSONAL PROJECTS

Containerization and Orchestration of Applications

- Configured and maintained Jenkins pipelines integrated with Git repositories to automate build, test, and deployment processes, decreasing deployment errors by 40% and accelerating release cycles.

Continuous Integration Pipeline Implementation

- Configured and maintained Jenkins pipelines integrated with Git repositories to automate build, test, and deployment processes, decreasing deployment errors by 40% and accelerating release cycles.

Automated AWS Infrastructure Deployment with Terraform

- Developed Infrastructure as Code (IaC) scripts using Terraform to provision and manage AWS resources, reducing manual setup time by 70% and ensuring consistent environments across development and production.

System Monitoring and Alerting Setup

- Implemented monitoring solutions using Prometheus and Grafana to visualize system metrics and set up alerting mechanisms, leading to a 30% improvement in incident response times

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CERTIFICATIONS & AWARDS

- AWS Solution Architect by Microdegree
- DevOps Engineer by Microdegree