SATHISH KUMAR B

DEVOPS ENGINEER

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PROFESSIONAL SUMMARY

DevOps Engineer with 3 years of experience in continuous integration and delivery, cloud technologies, and automation. Proficient in AWS services, CI/CD pipeline development, source code management, and scripting. Skilled in working with diverse tools and technologies including GitHub Actions, Jenkins, Python, Unix shell scripting, PostgreSQL, and DB2. Strong collaborator with a focus on optimizing deployment processes and improving system efficiency.

HIGHLIGHTS

- Migrated 30+ CI/CD pipelines from Jenkins to GitHub Actions, improving scalability and reducing build times by 20%.
- Automated deployment status email notifications for 100+ end users, improving release communication.
- Delivered DB2 to AWS RDS PostgreSQL migration with less than 30 minutes downtime.
- Provisioned AWS resources using CloudFormation for consistent, automated infrastructure setup.

CORE SKILLS

Cloud & DevOps Tools: AWS (EC2, S3, IAM, RDS, DMS, CloudWatch, VPC), CloudFormation, Jenkins, GitHub Actions, Git
Programming & Scripting: Python, Unix Shell Scripting
Databases: PostgreSQL, AWS RDS, DB2 (basic)
DevOps Practices: Automated build and release processes, pipeline and infrastructure issue resolution, CI/CD, Infrastructure as Code (IaC), release management, monitoring & logging (CloudWatch)
Operating Systems: Linux (Ubuntu), Windows

PROFESSIONAL EXPERIENCE

Liberty Mutual, Cognizant Technology Solutions   **Jan 2023 - Present**

- Designed, developed, and maintained CI/CD pipelines in Jenkins and GitHub Actions, integrating build, test, and deployment stages with environment-specific configurations.
- Transitioned Jenkins pipelines to GitHub Actions by creating reusable workflows, action scripts, and automated triggers, improving build efficiency by 20%.
- Developed UNIX and Groovy-based notification modules integrated into pipelines, fetching deployment metadata and sending real-time email updates to developers.
- Provisioned AWS resources using parameterized CloudFormation templates with version control in GitHub for reproducible infrastructure deployments.
- Managed source code in GitHub by implementing branch protection rules, pull request workflows, and peer review processes.
- Migrated DB2 databases to AWS RDS PostgreSQL using AWS DMS, configuring replication tasks, validation checks, and performing cutover with less than 30 minutes downtime.

- Automated repetitive infrastructure and deployment tasks via Python and Unix shell scripts, including log parsing, file transfers, and batch operations.
- Configured and monitored over 10 AWS services, including EC2, S3, IAM, RDS, and DMS, creating custom metrics, alarms, and dashboards in CloudWatch for proactive monitoring.
- Coordinated multi-platform deployments across Snowflake, Informatica, and Unix-based systems, ensuring compliance with release policies and alignment with business timelines.
- Worked in Agile teams, participating in sprint planning, daily stand-ups, and retrospectives. Used Jira for ticket and task management and Confluence (Atlassian Wiki) for maintaining deployment and process documentation.

CERTIFICATIONS

- AWS Certified Cloud Practitioner – Amazon Web Services

EDUCATION

Bachelor of Engineering in Mechanical Engineering   **Aug 2018 - May 2022**
M. Kumarasamy College of Engineering, Anna University
- CGPA: 8.6 / 10