SREEVISHNU BN

DEVOPS ENGINEER

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PROFESSIONAL SUMMARY

DevOps and Cloud Engineer with hands-on experience supporting production environments and implementing cloud infrastructure across AWS and Microsoft Azure. Experienced in deploying infrastructure using AWS CloudFormation, SAM and Azure ARM templates, building CI/CD workflows with GitHub Actions, and supporting application deployments using AWS services. Skilled in Python and Bash automation, Docker, cloud monitoring, incident troubleshooting and production operations. Familiar with Terraform and Kubernetes, with a focus on reliable infrastructure, deployment automation and continuous improvement002E

KEY SKILLS

- **Linux & System Administration:** Linux/Unix administration, SSH access and troubleshooting, process management, log analysis, Bash scripting, file system management, permissions and production troubleshooting.
- **Linux Networking:** IP routing, network connectivity troubleshooting, firewall rules (iptables), DNS troubleshooting, network diagnostics using netstat, ss, tcpdump, ping, traceroute and nslookup.
- **Monitoring & Observability:** Dynatrace full-stack monitoring, alert configuration, AWS CloudWatch, infrastructure and application monitoring, incident detection, alert investigation and troubleshooting.
- **Databases:** MongoDB — document-based data management, collection operations, CRUD operations, queries, filtering, aggregation and database integration.
- **Automation & Scripting:** Python automation, Bash scripting, REST API integration, operational workflow automation, load testing, contract-break testing and Streamlit.
- **Cloud Platforms:** AWS (EC2, S3, VPC, IAM, Lambda, ECS, ECR, CloudWatch), Microsoft Azure, Azure resource deployments and cloud infrastructure support.
- **Incident Management:** Production incident response, alert triage, root cause analysis (RCA), troubleshooting, incident documentation, on-call support and service reliability.
- **DevOps & Tools:** Git, GitHub Actions, CI/CD pipelines, AWS CloudFormation, AWS SAM, Azure ARM Templates, Docker, Kubernetes fundamentals and Terraform fundamentals.

PROFESSIONAL EXPERIENCE

Software Engineer

CirrusLab | Bengaluru, India | December 2024 – Present

- Designed, developed and deployed GitHub Actions CI/CD pipelines by writing YAML workflow files to automate source code checkout, dependency installation, application builds, Docker image creation, image tagging and publishing to Amazon ECR.
- Implemented automated deployment workflows using AWS SAM and CloudFormation for AWS workloads across Development, Non-Production and Production environments.
- Designed and developed AWS CloudFormation, AWS SAM and Azure ARM templates from scratch to provision and deploy cloud infrastructure.
- Worked with AWS services including EC2, S3, IAM, VPC, Lambda, ECS, ECR and CloudWatch to support cloud infrastructure and application deployments.
- Implemented Azure infrastructure deployments using ARM templates and GitHub Actions, working with Azure Functions, App Services, Virtual Networks, Azure Monitor and Key Vault.

- Built Dockerfiles, created and managed container images, used Docker Compose, published images to Amazon ECR and troubleshot container and application issues.
- Performed post-deployment validation, including cloud resource verification, application health checks, API endpoint validation, container log inspection and deployment troubleshooting.
- Configured and used Dynatrace for full-stack monitoring, dashboards and alerting, alongside AWS CloudWatch and Azure monitoring services for infrastructure and application observability.
- Developed an alert-to-GitHub automation workflow integrating Dynatrace events with GitHub APIs to automatically create issues, attach diagnostic information, assign developers, send email notifications and track resolution.
- Developed Python and Bash automation scripts, REST API integrations and Streamlit tools to automate operational workflows, health checks, log processing and data extraction.
- Worked with MongoDB using PyMongo and Motor, performing CRUD operations, aggregation, indexing, asynchronous database operations, historical data analysis and large-scale batch processing.
- Investigated production incidents, analysed application and infrastructure issues, performed root cause analysis and supported resolution across cloud environments.

KEY ACHIEVEMENTS

- **CI/CD Pipeline Engineering:** Independently designed and deployed GitHub Actions YAML pipelines automating application builds, Docker image creation, Amazon ECR publishing and AWS deployments.
- **Multi-Cloud Infrastructure Automation:** Developed AWS CloudFormation, AWS SAM and Azure ARM templates from scratch to provision cloud infrastructure.
- **Deployment Automation:** Implemented deployment workflows supporting Development, Non-Production and Production environments across AWS and Azure.
- **Monitoring Automation:** Developed Dynatrace-to-GitHub integration to automatically create and assign incident issues, distribute email notifications and track resolution.
- **Python & Database Automation:** Implemented asynchronous Python automation using PyMongo and Motor for MongoDB historical data extraction, comparison and large-scale batch processing.
- **Production Operations:** Supported application deployment validation, infrastructure monitoring, incident investigation and troubleshooting across cloud environments.

EDUCATION

- **Bachelor of Engineering (B.E.)** — Computer Science | Visvesvaraya Technological University (VTU) | 2024
- **Diploma** — Computer Science | D.V.S. Polytechnic | 2018 – 2021

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- AWS Certified CloudOps Engineer – Associate
- AWS Certified Cloud Practitioner
- Microsoft Certified: Azure Developer Associate (AZ-204)