AMAR M S

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PROFILE SUMMARY

Senior Engineer with 9 years of IT experience in automating, optimizing, and managing infrastructure for high-performance, scalable systems. Proficient in CI/CD pipelines, resilient cloud solutions using AWS and Terraform, configuration management with Ansible, automation scripting with Python, backend development using Django and Spring Boot, and container orchestration with Kubernetes.

EXPERIENCE

Software Engineer, 03/2022 - Current
Utthunga Technologies Pvt Ltd.

- Developed and maintained backend services using **Django** and **Spring Boot**, delivering REST APIs to support internal tools and DevOps automation workflows.
- Integrated Django and applications with AWS services like **S3, RDS, Lambda, and IAM** using **boto3** (for Python) enabling scalable and secure cloud-native apps.
- Designed modular **Terraform** scripts to provision AWS infrastructure (**VPC**s, **EC2**, **RDS**, etc.), improving deployment speed and reducing manual work by 50%.
- Implemented **CI/CD pipelines** using **Jenkins**, automating build/test/deployment processes for Django applications, and infrastructure code.
- Built internal dashboards using Django to visualize cloud resource health and performance metrics fetched from **AWS CloudWatch and Prometheus**.
- Automated infrastructure monitoring using Python scripts integrated into Django admin panels for real-time visibility.
- Performed patch management, infrastructure updates, and regular security audits on AWS cloud systems.
- Automated cloud infrastructure management, including setting up **VPCs, EC2 instances, and security groups**, ensuring compliance with organizational security standards.
- Designed and deployed a **multi-region Kubernetes cluster on AWS**, leveraging **EKS** for improved scalability and fault tolerance.
- Migrated on-prem systems to AWS, including **SQL Server databases**, using native tools (AWS DMS) and Python automation.
- Developed microservices with Spring Boot for internal applications requiring high performance and modular architecture.
- Experienced working in Agile Development environment.

Cloud Engineer, 02/2018 - 02/2022
Wipro Ltd.
- Assisted in migrating on-premises infrastructure to AWS, ensuring seamless application availability during the transition.
- **Provided day-to-day support for AWS infrastructure**, including managing EC2 instances, monitoring resource utilization, and handling basic troubleshooting tasks.
- Utilized **SQL** for daily data analysis and query operations, working with complex datasets to support application and reporting needs.
- Managed IAM roles and policies to enforce least-privilege access across cloud environments.
- Supported deployment of Dockerized applications, ensuring consistent runtime environments across development, staging, and production.
- Monitored cloud usage and generated reports to help leadership optimize infrastructure spend.
- Good hands-on knowledge of Source Code Management (Version Control System) tools like Git.

Software Engineer, 01/2016 - 01/2018
Imedx Information solutions Pvt Ltd
- Knowledge of major cloud service providers, like **AWS.**
- Experience with AWS Tools (EC2, S3, VPCs, RDS).
- Handle the tasks of managing data backup of servers through the checking backup logs and file restoring process.
- **Automated health checks for servers**, monitoring status to ensure high availability and early issue detection.
- **Supported user access management** by creating and updating IAM roles, policies, and permissions according to security guidelines.

CERTIFICATION

PG Program in Software development with specialization in DEVOPS

EDUCATION

Vivekananda Institute of Technology, *Bangalore, KA*
Bachelor of Technology: **Electronics and Communication**

DECLARATION

I am keen to continue my career and prepared to work hard in order to achieve my organization objectives and I hereby declare that the information furnished above is true to the best of my knowledge.

Amar M S