

# 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.**

- Designed and developed microservices using **Spring Boot**, supporting internal enterprise tools requiring high performance and scalability.
- Developed and maintained backend services using **Django** 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 (**VPCs, 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.
- 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.

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**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.

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**CERTIFICATION**

**PG Program in Software development with specialization in DEVOPS**

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**EDUCATION**

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

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**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***