My name is Sai Ganesh Billa, and I am currently working as a Sr. DevOps engineer at Capital One with a total of 9 years of experience, out of which 7 years have been focused on DevOps. Throughout my career, I have had the opportunity to work with both on-premises VMs and cloud platforms as my organization transitioned to the cloud. This experience allowed me to gain proficiency in multiple cloud providers, specifically AWS and Azure.

In AWS, I have worked with various services such as EC2 for virtual machine instances, S3 for object storage, Lambda for serverless execution, RDS for managing SQL databases, ECR for private Docker image registry, EKS for Kubernetes orchestration, EBS for block storage, and IAM for role management.

Similarly, in Azure, I have worked with Virtual Networks, Azure VMs, App Service Plans, Azure Functions, Azure SQL DB, ACR for private Docker registry, and AKS for Kubernetes management.

Regarding source code management, I have utilized GitHub Enterprise, Azure Repos, and Bitbucket. Git has been the version control system of choice for our projects.  
To automate infrastructure and build pipelines, I have leveraged CI/CD processes using tools like Jenkins, Azure DevOps Pipeline, and GitHub Actions. I have experience in both monolithic and microservices architectures, as my organization underwent a migration from monolithic to microservices. This allowed me to work with Docker, writing Dockerfiles, building Docker images, and pushing them to private registries. Kubernetes clusters managed these containers using Helm charts.

For infrastructure provisioning, I have utilized Terraform scripts as an infrastructure-as-code tool. Additionally, Ansible has been used as a configuration management tool.

I am proficient in monitoring and debugging, using AWS CloudWatch and Azure Monitor for monitoring cloud resources. Grafana has been my go-to tool for visualizing Kubernetes RBAC.

I have extensive experience in shell scripting and possess entry-level skills in Python.  
Overall, my experience spans a wide range of DevOps practices and tools, enabling me to effectively contribute to the infrastructure and automation needs of projects.

Currently working with the client Capital One. We are developing a web application for User Management, Account Management, Loan Management, Fraud Detection and Security, Notification Services.

This project is written using React JS as Front-End and MicroServices Architecture backend using Node JS. As part of microservices we deploy multiple services Payment Processing, Notification Services, Report and Analysis etc. Containerize them and deploy to Managed Kubernetes Cluster

We are working on Intranet Projects which are of Web Applications Primarily, Deploying UI to Static S3/Blob Container, Rest APIs to Lambda/Function Apps and EKS/AKS, Coming to Database we are using RDS Postgre / Azure SQL

Our organization has footprints into Multi-Cloud Environments (Azure and AWS) so using some of the Projects across Azure and AWS based on need.