Shreyansh Sawarn

+91-9654266682 | shreyansh-sawarn.github.io/ | linkedin.com/in/shreyanshsawarn/ | github.com/shreyansh-sawarn

DevOps Engineer with 3+ years of experience delivering modernized software to high value clients. An eager researcher and tech innovator focused on building efficient applications that are engaging to the users while solving real world problems.

EXPERIENCE

Systems Engineer   May 2021 – Present

Tata Consultancy Services

- Played a key role in a DevOps team by containerizing applications and creating customized Docker images for seamless migration from VMs to Kubernetes clusters. Built and deployed applications to Azure Kubernetes clusters for Dev, Production, and DR environments using GitLab CI/CD, ensuring 100% on-time delivery.
- Leveraged Terraform for deploying Infrastructure-as-a-Service on the Azure Cloud Platform for various applications. Utilized Terragrunt to streamline and simplify the deployment process across multiple environments, ensuring DRY (Don't Repeat Yourself) Terraform configurations.
- Worked with Azure Kubernetes Services (AKS), Azure Container Registry, Azure NetApp Files, Azure File Storage, Azure Blob Storage, and other Azure services to support containerized applications using PV and PVC in Kubernetes.
- As part of an SRE team, focused on maintaining crucial features related to data protection, data integrity, availability, and user-friendly product experiences. Achieved significant milestones, including resolving complex issues for high-profile clients, collaborating effectively with cross-functional teams, and implementing notable performance enhancements.
- Integrated Azure Application Insights using Terraform for better monitoring of application's functionality, availability, dependency and exceptions. Configured alerts according to the metrics received on Application Insights for faster diagnosis and resolution of issues/exceptions, which helped increase the SLI from 97.2% to 98.55%.
- Demonstrated proficiency in various programming languages and DevOps tools, with a proven track record of nearly 130 pull requests (PRs) over three years as well as configured efficient testing and deployment pipelines in Azure DevOps for multiple environments, enhancing the overall deployment process.

PROJECTS

Terraform Projects using Azure (github.com/shreyansh-sawarn/tf-azure) | *Terraform, YAML, Shell,*

- Developed and maintained Terraform configurations to automate the provisioning and management of Azure infrastructure.
- Created advanced scripts and utilized Terraform modules to standardize infrastructure management, facilitating seamless scalability and consistent environments.
- Enabled Terraform import processes and configured remote state management, ensuring reliable state storage and version control across environments.

Face Eyes Smile Detector (github.com/shreyansh-sawarn/face-eyes-smile-detector-docker) | *Python, Docker, Git*

- Implemented a Python-based application using OpenCV and Haar Cascades to detect faces, eyes, and smiles from webcam feeds.
- Prepared the project for containerization by creating Docker images to facilitate deployment and streamline testing across different environments.
- Utilized OpenCV for real-time detection capabilities, drawing dynamic overlays on video streams to highlight facial features.

EDUCATION

Galgotias University

Bachelor of Technology, Computer Science and Engineering   *2017 – 2021*

TECHNICAL SKILLS

DevOps & Cloud Infrastructure : Docker, Kubernetes, Terraform, Terragrunt, Jenkins, Git, Azure Cloud Services, Azure DevOps, Azure Data Factory

Programming/Scripting & Database Management : Python, Linux, MySQL, Bash, PowerShell, Kusto Query Language

Tools & Collaboration : GitHub, GitLab, Jira, Confluence, Pagerduty