AMEER SOHAIL SHAIK

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SUMMARY

- I'm curious to learn and apply my knowledge in managing cloud platforms like AWS, while utilising monitoring tools to ensure system reliability. I possess a solid understanding of OOPS, Linux systems and have leveraged my skills in automation, Docker, and Kubernetes.

EDUCATION

Master of Computer Applications   **2023 - Ongoing**

- Lovely Professional University, Phagwara, Punjab

Bachelor of Technology   **2019 - 2022**

- Brindavan Institute of Technology and Science, Kurnool, AP

SKILLS

- **Programming Languages:** C++, Javascript, Python
- **Web Development**: HTML, CSS, ReactJS, NodeJS, ExpressJS
- **Database**: SQL
- **Cloud Platforms:** AWS
- **CI/CD:** Jenkins.
- **Version Control**: Git, GitHub
- **Containerization:** Docker
- **Operating Systems:** Linux, Windows.
- **Other**: Algorithm, Data Structures

PROJECTS

Docker Automation Platform using Docker SDK   Github

- Developed a web-based interface using React to interact with the Docker SDK, enabling users to manage Docker containers, images, volumes, and networks.
- Integrated backend to handle user requests, Docker API calls, and business logic for container management.
- Implemented features enabling container deployment, scaling, monitoring, and logging, leading to a 40% reduction in manual intervention.
- Utilized Docker SDK for automated tasks, resulting in a 50% decrease in time spent on container management.
- *Tech Stack***:** Docker SDK, ReactJS, NodeJS, ExpressJS, GitHub

End to End CI/CD Implementation - Jenkins   Github

- Implemented an end-to-end CI/CD pipeline for a Java-based application utilizing Jenkins declarative pipelines, resulting in a streamlined development process with 40% reduction in the overall time.
- Managed various stages within the pipeline, including build, unit testing, static code analysis, SAST, DAST, creation of Docker images, and deployment on a Kubernetes platform using Argo CD.
- Achieved a remarkable 40% reduction in the time required for the CI/CD process, resulting in faster delivery of software updates.
- Optimized Jenkins pipelines for faster build and deployment processes, effectively reducing build times by 30%.
- Automated routine tasks, leading to approximately 15 hours per week in time savings and a notable increase in team efficiency.
- *Tech Stack* : Jenkins, Java, CI/CD, Docker

Kubernetes Deployment Lead for VProfile: Revolutionizing Profile Verification   Github

- Implemented Kubernetes infrastructure for Vprofile, achieving 99.9% uptime adherence to industry standards.
- Successfully orchestrated microservices deployment, enhancing application scalability by 30%. Containerized Vprofile components using Docker, reducing deployment time by 40% and ensuring consistency across environments.
- Containerized individual components of the Vprofile application using Docker, streamlining the development-to-production workflow and ensuring uniformity across environments.
- Utilized Terraform for Infrastructure as Code, resulting in 25% faster deployments and improved reproducibility.
- Designed and implemented auto-scaling mechanisms to dynamically adjust resources based on demand, ensuring optimal performance during peak usage periods by reducing resource costs by 15% .
- Implemented stringent security practices for Kubernetes, Docker, and the overarching infrastructure, fortifying defenses against potential vulnerabilities.
- *Tech Stack* : Kubernetes, vagrant, git

ACHIEVEMENTS

- Achieved 4 star in both C++ and Python languages in Hacker Rank platform.
- Solved Questions on various platforms like leetcode and Hacker Rank.