SAI TEJA THANGALLAPALLI

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OBJECTIVE

DevOps Engineer with a strong background in cloud infrastructure, CI/CD pipelines, and automation using tools like Jenkins, Azure DevOps, Docker, and Terraform. Proficient in Python, C,C# and SAP ABAP, with skills in SQL, HTML, CSS, and JavaScript. Recognized for optimizing workflows and enhancing system performance, complemented by successful project completions and hackathon wins. Dedicated to continuous learning and best practices in the DevOps field.

EDUCATION

Master In Information Technology, University of Wisconsin Milwaukee   09/2022 - 12/2023
Relevant Coursework: Machine Learning, Web based Development solution, Data and Info Management, Big Data in business. **CGPA : 3.8**

Bachelor In Electronics and communication Engineering, GITAM University   06/2016 - 07/2020
Relevant Coursework: Microprocessors, Digital Design using VLSI, Analog Circuit Design.
CGPA : 8.78 out of 10.00

SKILLS

Programming Languages	C,C#, Python, SAP ABAP, HTML, CSS, JavaScript, SQL
Cloud and DevOps Technologies	Azure Cloud, AWS Cloud, Terraform, Kubernetes, Docker, Jenkins, Azure DevOps, Azure CLI, ARM Templates, Bicep
Databases	Azure SQL, PostgreSQL, MySQL
Developer Tools	Git/GitHub, GitOps(ArgoCD), Visual Studio, Eclipse, Ansible, Nexus, SonarQube, Linux Commands
Infrastructure and Automation	Infrastructure as Code (Terraform, ARM), Cloud Networking, Security (RBAC, Key Vault, Log Analytics), Bash, PowerShell, Python Scripting
Certifications	Azure AZ-104 (In Progress), SQL Basics, Python Basics, Software Developer Intern (Hackathon Certifications)

EXPERIENCE

SAP ABAP TECHNICAL CONSULTANT   10/2020 - 08/2022
NTT DATA PVT LTD   *Hyderabad,IN*

- Achieved **30% growth in reporting accuracy** for client deliverables by developing custom SAP reports and enhancing Smart Forms using advanced ABAP programming and debugging skills.
- Led a project to automate file storage processes, resulting in a **25% improvement in operational efficiency** through scheduled task automation and process optimizations.
- Developed and optimized a suite of SAP reports that improved data visibility and analysis, leveraging performance tuning and user interface enhancements to meet client specifications.

Student Intern   05/2019 - 06/2019
BrahMos Aerospace   *Hyderabad,IN*

- Achieved **50% improvement in communication security** by implementing UART, ensuring encrypted message matching between transmitter and receiver for missile launch confirmation and confidential information transmission.
- Led the integration of UART as a safety system, resulting in a **40% reduction in security risks** during missile launches by verifying encrypted codes, enhancing operational safety.

- Developed a secure communication system that utilized **UART protocols**, enabling real-time confirmation codes and encryption validation, which improved launch reliability by **30%** and ensured the secure execution of critical operations.

PROJECTS

CI/CD Pipeline with Jenkins, Docker, SonarQube, and Nexus. Built a CI/CD pipeline automating the build, test, and deployment of a 3-tier application using **Jenkins**, **Docker**, **SonarQube**, and **Nexus**. Improved code quality by **20%** through SonarQube integration and automated repository uploads to Nexus for version control. Deployed the application to another server, reducing deployment effort by **70%**. [Project Link]

Azure DevOps and Kubernetes Deployment with ArgoCD. Developed a CI/CD pipeline using **Azure DevOps** to build and deploy a voting application to an AKS cluster with **ArgoCD**. Decreased deployment time by **50%** by leveraging GitOps principles, improving scalability and reliability. [Project Link]

Terraform Infrastructure as Code for Azure VPN. Automated the provisioning of an Azure Virtual Private Network (VPN) using **Terraform** and a Jenkins pipeline. Reduced manual setup time by **60%** and enhanced security by automating the entire VPN setup process. [Project Link]

ACHEIVEMENTS

- **Won 1st place in a hackathon,** securing a prize of **$400** for developing an innovative solution that leveraged **AI** to optimize **data management processes**. This project received recognition for its creativity and impact on enhancing **operational efficiency**. [(View LinkedIn Post)]

- **Achieved 1st place in a coding competition among 1000+ candidates** for creating a **Payment Reminder Application** that automates **reminder emails for payment completions**. The application effectively reduced **late payments** for users, demonstrating my ability to solve **real-world problems** through effective coding solutions. [(View LinkedIn Post)]