Tejus Kaw

Software Engineer (2 **Years of Experience**)

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About Me:

I am a driven and optimistic individual who believes in combining discipline, teamwork, and creativity to achieve excellence in both professional and personal endeavors. Known for my **hardworking nature** and **leadership qualities**, I excel at collaborating with diverse teams to deliver impactful results. My ability to remain focused and adaptable under pressure has consistently enabled me to overcome challenges and meet goals effectively.

Beyond my professional achievements, I am passionate about cultivating a well-balanced life. As an **inter-college volleyball player**, I have honed teamwork, strategic thinking, and perseverance, qualities that translate into my professional work. I also have a deep appreciation for nature and enjoy unwinding with vacations that connect me to serene landscapes and outdoor adventures. These experiences help me recharge and bring a fresh, positive perspective to everything I do.

I thrive on maintaining a disciplined yet approachable attitude, always seeking opportunities to grow and inspire those around me. Whether it's leading a project, contributing as a team player, or exploring new horizons, I believe in giving my best and staying curious about what lies ahead.

Education

B.Tech in CSE (CGPA 8.9)
(PEC, Chandigarh)
2019– 2023

- **Participation in** : Coding Contests, Mock Interviews, Ethical Hacking Workshop, Inter Volleyball Tournament, PEC Festival, Music Club.

Skills

Tools/Languages: Python, Golang, Bash/Shell, Kubernetes, AWS, GitHub Actions, Jenkins

Frameworks/Libraries: FastAPI, Keras, NumPy, Pandas, Cucumber, Karate-Gatling, WebdriverIO

Certification & courses

 Data Structures and Algorithms using Python from **NPTEL**

Work Experience:

With 2 years of experience as a Software Engineer, I bring expertise in cloud technologies, automation, and DevOps practices. Skilled in GitHub Actions, Jenkins, Kubernetes, and AWS, I have designed cost-effective cloud solutions, including an enterprise GitHub Actions workflow template that streamlined the migration from Jenkins, reducing complexity and improving efficiency across the organization.

 AWS certified cloud practitioner
 AWS Solutions Architect Associate **(SAA-C03)**
 Kubernetes and Cloud Native Associate **(KCNA)**
 Certified Kubernetes Application Developer **(CKAD)**

Software Engineer at American Express

July 2023– Present (Bengaluru, India)

Key Contributions at American Express:

- **CI/CD Pipeline Management**: Maintained enterprise-wide CI/CD pipelines using Jenkins, GitHub Actions, and Jenkins Groovy scripts, ensuring efficient and reliable delivery processes.
- **Kubernetes Administration**: Managed and optimized Hydra Kubernetes, an in-house cloud platform, to support enterprise-level applications and workloads.
- **Enterprise Mocking Solution**: Developed the **WireMock Enterprise Solution**, an in-house platform enabling teams to mock APIs for testing and development purposes. This initiative eliminated dependency on Broadcom's CA LISA tool, resulting in significant cost savings for the organization.
- **Functional & Performance Testing Template**: Designed and implemented an **Enterprise GitHub Actions Workflow Template** for functional and performance testing, facilitating a seamless migration from Jenkins to GitHub Actions. This solution simplified workflows for teams and accelerated the adoption of modern CI/CD practices.
- **Sauce Labs Integration**: Created **Sauce Tunnels** to enable secure and seamless access to Sauce Labs across the enterprise network, enhancing test automation capabilities within the organization.
- **Cloud Migration to AWS**: Currently leading efforts to

migrate applications and services from Hydra (in-house cloud platform) to AWS, leveraging AWS services to improve scalability, reliability, and cost efficiency.

Software Engineer Intern at American Express

January 2022– July 2022 (Virtual)

- **Project:** Developed a **Recommendation Model** to forecast CPU and memory utilization of Kubernetes pods and provide actionable recommendations to optimize resource usage.
- **Impact:** The model intelligently suggested scaling down the number of pods to zero or a smaller number based on service utilization, leading to significant cost savings.
- **Deployment:** Successfully implemented the model, which is now actively used within the organization to optimize resources.
- **Continuous Improvement:** Enabled periodic retraining of the model, achieving a recommendation accuracy rate exceeding **90%**, ensuring consistent and reliable optimization.
- **Outcome:** Secured a **Pre-Placement Offer (PPO)** based on exceptional performance and project impact.