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**OBJECTIVE:**

Experienced cloud engineer with a strong proficiency in both **AWS and Azure** platforms, focusing on CI/CD implementation, configuration management, possessing in-depth knowledge of **Agile methodologies**, I excel in utilizing **Terraform** for infrastructure management on the **Azure platform**, as well as implementing efficient **CI/CD pipelines** to streamline development processes.

**EDUCATION:**

UNIVERSITY OF DAYTON, Dayton, OH. M.S. in Computer Science - GPA: 3.581/4 <b>Course Work:</b> Advance programming & Data structures, Dbms-1, Deep learning, Mixed reality, web schematics, Algorithm design, operating systems, Data science and pattern recognition, DBMS-2, Cloud Computing.	Aug '21 –Dec '22
GREATLAKES, Bangalore, India PGP in Data Science & Engineering.	Mar '19 – Sep'19
GITAM University, Vizag, India B. Tech in Electronics & Communication Engineering	Aug'14 – May'18

**TECHNICAL SKILLS:**

- **Operating Systems:** Unix, Linux (Red Hat, CentOS, and Ubuntu)
- **Cloud Platforms:** AWS, Microsoft Azure
- **Languages:** Python (NumPy, Pandas, TensorFlow), MYSQL, Shell (PowerShell/Bash), YAML, JSON
- **CICD/Automation tools:** Jenkins, Azure DevOps, Shell scripts, Git, GitHub, GitLab.
- **Others:** Splunk, Docker, Nexus, JFrog Artifactory, Kubernetes, Docker Swarm, Jira, Terraform, Ansible, Bitbucket.
- **Container services:** Docker, Docker Swarm, Kubernetes, Azure Kubernetes Services (AKS)
- **Certifications:** Microsoft Certified: Azure Administrator Associate: [View Certificate](#)  
Microsoft Certified :AZ-400- Designing and Implementing Microsoft DevOps Solutions : [View Certificate](#)

**PROFESSIONAL EXPERIENCE:**

<b>Azure DevOps Engineer   Fannie Mae, Reston, VA</b> <ul style="list-style-type: none"><li>• Setting up and maintaining <b>GitLab</b> to onboard application team assets and involved in provisioning GitLab group runners and creating <b>Terraform workspaces</b> tailored for specific environments.</li><li>• Creating automated <b>Python scripts</b> that add compliance frameworks to <b>GitLab project repositories</b> where to ensure separation between test repositories and those with pipelines, I implemented compliance frameworks in all pipeline repositories. Additionally, I set up automated email notification to notify all team members.</li><li>• Automated the creation of <b>GitLab runners</b> for <b>Azure environments</b>, utilizing a script that calls APIs instead of relying on manual processes through <b>UCD</b> tool where these runners are created in designated <b>Azure</b> accounts as required.</li><li>• Built <b>CI/CD pipelines</b> and was responsible for managing the infrastructure, utilizing <b>Terraform Azure modules</b> through <b>Bitbucket</b>.</li><li>• Competent in handling <b>Azure Virtual Machines</b> (VMs), ensuring their proper configuration and optimization for optimal performance.</li><li>• Implemented new project builds using build tools such as <b>Ant &amp; Maven</b> and Implemented a Continuous Delivery framework in <b>Linux environment</b>.</li><li>• Expertise in certificate management, including <b>Certificate Signing Requests</b> (CSRs), and validating <b>AD tokens</b> on the <b>Azure API Management</b> side.</li><li>• Validated and documented the current functionalities and use cases penetrating to the automation of pipelines.</li><li>• Involved in writing automated <b>Python scripts</b> to enforce mandatory code reviews for protected branches across all application projects in <b>GitLab</b>.</li><li>• Worked with <b>Azure API Management</b> (APIM) with a primary focus on designing, deploying, and overseeing API gateways for diverse applications.</li><li>• Troubleshooting <b>SonarQube</b> when encountering issues where the <b>SonarQube</b> scan reports successful completion, but the code coverage displayed on the dashboard is zero.</li><li>• Proficiency with the <b>Pivotal Cloud Foundry</b> (PCF) platform, showcasing a track record of effectively scaling applications by adjusting instance counts and optimizing CPU and memory utilization and demonstrated experience in dynamically provisioning and decommissioning instances based on predefined schedules.</li><li>• Actively engaged in working with <b>Azure Kubernetes Service</b> (AKS) and effectively managed Helm charts where handling secrets and configuration maps.</li><li>• Worked with version control systems like <b>GIT</b> and used Source code management client tools like <b>Git Bash, GitLab</b>.</li><li>• Managed multiple environments for both <b>production and non-production</b> where primary objectives included automation, build out, integration and cost control.</li></ul>	Aug'22 – Present
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**Skills:** Microsoft Azure, Python, GitLab, Terraform enterprise, ARM Templates, Linux, Azure Kubernetes services, Shell Scripting, Jira, Docker, Maven, Ant, Bitbucket, Splunk.

<b>AWS DevOps Engineer   Codegnan IT Solution, India</b> <ul style="list-style-type: none"><li>• Leveraged various <b>AWS</b> solutions and <b>terraform</b> for infrastructure provisioning.</li><li>• Created and maintained continuous integration using <b>Jenkins and Ansible</b>.</li><li>• Configured network and server monitoring using <b>Grafana, ELK stack, and Nagios</b>.</li><li>• Installed, configured, modified, tested &amp; deployed applications on various <b>servers</b>.</li><li>• Implemented infrastructure automation through <b>Ansible</b>.</li><li>• Collaborated with cross-functional teams to design and implement monitoring solutions for application and infrastructure performance using tools like <b>New Relic and Grafana</b>.</li></ul>	Jul'18 – Oct'20
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**Skills:** Aws, Terraform, Python, Jenkins, Ansible, Grafana, Elk stack, Nagios, New Relic, Grafana.

**ACADEMIC PROJECTS:**

<b>Cat and Dog Object Detection</b> In this project we used to collect around 10,000 to 12000 images of cats and dogs. Each image may contain the picture of cat or dog or both. We required to develop a model that can do object detection. Used pre-trained model for Identifying the images of cats and dogs. To make an android application which can detect cats and dogs in mobile.	[Python, Pandas, SNS, CNN, RNN, Object detection, TensorFlow]
<b>Auto-Scalable Architecture for website hosting</b> Designed a 3-tier auto scalable high-level architecture for website hosting in AWS. Provided an on-demand solution for test, load, beta, and preproduction environments. Provided a cost-effective alternative to oversized fleets needed to handle peaks.	[AWS, React.js, python, SQL, S3 bucket, Lambda]
<b>Credit Card Fraud Detection</b> Designed and implemented an anti-fraud strategy named credit card fraud detection system that detects the fraud and repots to the user. Validated user credit card information by classification using generic algorithm. Implemented promises for synchronization and handling asynchronous database requests.	[Python, Pandas, EDA, Confusion Matrix, Classification]