

Janpreet Singh

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Phone: on-request

EDUCATION

- **Master of Science in Information Systems** Jan. 2018
Marist College, 3.34 Poughkeepsie, NY
- **Bachelor of Technology in Electronics and Communications Engineering** May. 2012
Guru Gobind Singh Indraprastha University, 3.33 New Delhi, India

TECH STACK

Azure, AWS, Kubernetes, Docker, Ansible, Splunk, Datadog, Terraform, Google Cloud, Hashicorp Vault, Consul, Rancher, MongoDB Atlas, Jenkins, Linux, Bash, Python

SUMMARY

DevOps Engineer interested in architecting and deploying high-quality automation, particularly to save operational cost, and ensure resiliency, efficiency and high-availability of systems. Love to teach and mentor people. Looking forward to grow and mature as a DevOps Leader.

EXPERIENCE

- **Unqork** Remote, NYC
DevOps Engineer Nov 2021 - Present
 - Part of 24x7x365 on-call DevOps rotation (Agile) supporting upgrades and releases of customer environments and infrastructure.
 - Architected and delivered contractual cross-function platform features using AWS while ensuring positive developers experience
 - Successfully moved internal DevOps tools and hundreds of multi-cloud customer environments to Kubernetes using Ansible and Terraform.
- **Caissa LLC (Merged with Burgiss)** Remote, NYC
DevOps Engineer May 2021 - Nov 2021
 - Introduced and successfully setup (architected and deployed) Terraform managed VDI, DR AKS and AWS MWAA tied to Azure AD. Also setup git mirror between Azure repos and AWS CodeCommit for disaster-recovery.
 - Setup on-demand build and release agents in Kubernetes to eliminate Azure pipelines build queues.
 - Automated manual Windows service releases using Ansible as one of the very first tasks at the new role.
- **Globalfoundries** Malta, NY
Sr. Mfg Systems Engineer, SRE July 2020 - May 2021
 - Evangelized and implemented SRE best practices by utilizing automated deployment procedures using BitBucket, Jenkins and Ansible, for faster deployments and roll-backs.
 - Disposable Kubernetes cluster POC; created using Terraform and Google Cloud Platform. Sample Maven and Python applications built using Jenkins Docker Cloud and deployed using Helm to demonstrate the DevOps model. Wrote a custom Terraform module 'cluster-kubeconfig' to solve GKE module's lack of kubeconfig generation.
- Mfg Systems Engineer Jan 2019 - June 2020
 - Ensured 99.95% uptime of critical applications in a 24x7x365 environment by utilizing a comprehensive monitoring strategy in Splunk to automate detection and trigger response to incidents and outages. Reduced MTTR where automation was not possible by providing effective runbooks to Level 1 Support.
 - Developed, tested, and implemented a Java application to eliminate repetitive data entry tasks that saved \$9k worth of labor hours annually. Used Hibernate to interact with Oracle DB and Selenium libraries for automation where API access was not possible. Packaged the app using Maven & Docker and created a CI/CD pipeline to execute testing and deployment using Jenkins.
- AMHS Factory Automation Engineer Jan 2018 - Dec 2018
- AMHS Co-op Engineer May 2017 - Dec 2017