Abhijeet Srivastava

Azure certified Devops Engineer

📞 +91 8851701529   ✉ abhiw205@gmail.com   📍 New Delhi , IN   in https://www.linkedin.com/in/abhijeetsri/

SUMMARY

VERSATILE DEVOPS ENGINEER with 4 years of hands-on experience in supporting, automating and optimizing deployment over the AWS/Azure cloud. Promoted DevOps culture across a 100+ sized engineering team by ensuring communication flow regarding automation and moved away from 3 months release cycle to a 1-click release. Extensive experience includes but not limited to SCM, branching strategy, CI/CD and IaaC, worked with organizations to determine the correct cost/effort/availability tradeoffs for services using the AWS/Azure Well-Architected Framework.

1. Redesigned 12 product lines in manner to maintain infra as code in version controlled way.
2. Managed Docker orchestration and containerization for 15 distinct on-premise full SaaS stack using Kubernetes.
3. Continuous integration and Continuous deployment pipelines for 50+ applications on different platforms with a variety set of tools.

PROFESSIONAL EXPERIENCE

DevOps Engineer   Jun '19 - Present

Trugo consultancy services   Remote Consultant

Website:- https://www.trugo.eu/, Working as remote consultant for trugo clients as a consultant.

Technologies: *Docker, GIT, Nagios, Linux, Nginx AWS Aurora, load balancing, Pingdom, New Relic,* Kubernetes , *Cloudflare, Akamai, Route 53, NS1,*e AWS IAM, VPC, EC2, ECS, EBS, RDS, S3, Lambda, ELB, Auto Scaling, Route 53, Cloud Front, Cloud Watch, Cloud Trail, SQS, and SNS.

Devops Practices

- Designed and implemented N - Tier application development **Continuous Integration and Delivery pipeline** with multiple components using Jenkins to support weekly releases and out-of-cycle releases, which decreased deployment time by 80%
- Enforced **CloudFlare** and **Akamai CND** network over 90% of workloads, to ensure **high availability** across multiple geolocation minimised 4XX and 5XX failure by 95% efficiency
- Composed **Infrastructure as a code(IaC) i**n Terraform, **vagrant,** ARM**, AWS Cloud formation**. Created reusable **Terraform** modules of 14 types on both Azure and AWS cloud, saved 30 min of provision time in each iteration.
- Used Git for **Branching**, **Merging** and **maintaining** the version across for 153 repos, created **webhooks** to integrate with Jenkins build automation and integrated with **Jira** for various workflows, customizations, and plugins for Jira bug/issue tracker
- Documenting **solution architecture** for the high-volume customers-facing portal reducing the TTM (time-to-market) by 50% ensuring high code maintainability and work related stuff into readme, wiki, & **JIRA**

Cloud management

- Reduced company bcosts 20% through migrating existing AWS infrastructure to Serverless architecture by using **AWS Lambda, API gateway, Route 53, S3 buckets, AWS Cognito.**
- Managed SSL Security certificate management for enterprise, maintaining certificates across multiple ssl providers, and integrating certificates into products such as **nginx, apache, tomcat, AWS-ELB**
- Skilled with Python, Bash/Shell, PowerShell, JSON, YAML, Groovy to improving system reliability and performanc that saved 1500 hours to manual task.

Virtualization

- Integrated 53 **Docker** container-based infrastructure to **Jenkins CI** flow and set up build environment integrating with **Git and Jira** to trigger builds using Webhooks , integrated Junit and SonarQube plugins for automated testing and Code quality check.
- Refactoring of monolithic applications to **Microservices** based architectures builds out to the Created **Pods**,Scheduled, deployed and managed container replicas onto a **node cluster** through b to manage the microservices using its Nodes, Pods, ConfigMaps, Selectors, Services.
- Managed Kubernetes charts using Helm, Created reproducible builds of applications, managed Kubernetes manifest files, storage, and Managed releases of Helm packages also worked on with Kubernetes architecture and design troubleshooting issues and multi-regional deployment models and patterns for large-scale

Server Maintenance & Infrastructure Monitoring

- Regularly **monitor** and reconcile the performance of the applications to pre-defined performance thresholds and take actions where required

- **Monitored** the **up-time** of the infrastructure using status of all components sent by the **Pingdom, New Relic, Nagios, Grafana** and alerting using opsgnie
- Moderated 20+ **Ansible Playbooks and Roles** to manage **web applications,** configuration files, pull/push images from the **private docker registry**, deploy to docker-compose, integrating with GOCD templetsd and deploying artifacts on target groups.

System/Cloud administrator   Feb '17 - May '19

Wipro LTD   Gurgaon, IN

Website:- https://www.wipro.com/ , worked for Wipro client on third-part and contract basis.

Technologies: Azure Functions, Azure Automation Accounts, AAD, PowerShell, ARM, JSON, Application Insights / Log Analytics / Kusto query language, SQL, APIs, Azure Monitor, Azure DevOps, Azure Iaas/PaaS/SaaS services

Cloud technology management
- Initiated 10+ **Continuous Delivery** framework using **CircleCI, Ansible, Maven** and **Terraform** in **Linux** environment which result better rollback approach in case of failure
- Specialize in **Azure Scalability** and Azure Availability - Build VMs availability sets using the **script** to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) to manage network traffic.
- Wrote **ARM template** to automatically provision azure resources like VM's, VNet, Webapps storage, saving 30% admin time

Build and Release
- Prepared **Azure automation account** web hooks to automate and schedule tasks, result in scheduling infa uptime/downtime and reduced costs by 35%
- Composed and configuration of the fully automated CI/CD lifecycle for 15 application using **ANT** and **MAVEN** build tools in Jenkins based on **monolithic architect** resulting in 3x reduction of average deployment time.
- Oversaw full lifecycle of **SDLC** for internal web application. As a result 5 major products updates have been completed on time and on budget.

Server Maintenance & Infrastructure Monitoring
- Administrated application monitoring and logging strategies using tools like **New Relic,** Dynatrace, Pingdom and **azure monitor**
- Establishing and running the processes for on-going maintenance **monitoring** support and security patching of 200 **Linux** and **windows server** achieved 99% uptime**.**
- Handled **Azure Site Recovery** and **Azure Backup** Installed and Configured the Azure Backup agent and vm backup, Enabled Azure vm backup from the **Vault** over 200 vms reduced failover by 90%.
- Designed Azure Automation Assets, **Graphical runbook**, PowerShell runbook that automated tasks, deployed **Azure AD Connect**, Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage.

EDUCATION

Staffordshire University   Sep '12 - Jul '16

B. Tech. – Information Technology   Panipat

Asia Pacific Institute of Information Technology

CERTIFICATIONS
- **Microsoft AZ- 300 Azure Architect technology. (ID: -17293985)**

TECHNICAL SKILLS
- **DBMS:** MySQL, DynamoDB DB, Aws Aurora, PostgreSQL, MariaDB
- **OS:** Linux, Windows
- **Languages:** Shell Script, Python, PowerShell script, Groovy
- **Build:** Maven, Ant, NPM
- **CI/CD**: GitLab, Jenkins, GOCD, Azure Devops, AWS Code pipeline
- **Version control systems**: GitHub, Bitbucket, GitLab, Azure repo
- **Kubernetes tools**: Traefik, Helm
- **Deployment**: Packer, Terraform, Vagrant, ARM, Azure Cli.
- **Monitoring**: Nagios, ELK, Grafana, New Relic, Pingdom, Cacti
- **Virtualization technologies**: XEN, KVM, Docker, oVirt
- **Web stack**: Apache, Nginx, HAproxy, PHP, Varnish.
- **Configuration management**: Ansible, Azure automation account.
- **Cloud Computing Technology:** Amazon Web Services (AWS), Azure, Digital Ocean etc