RAKHI GHANGAS

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Objective

In quest of a challenging position in an eminent organization that offers generous opportunities to explore & outshine while accomplishing personal as well as organizational goals. 3+ years experienced, meticulous and detail-oriented Engineer with a proven track record. Demonstrated ability to deliver solutions on-time, to scope and within budget

Professional Summary

- Experience in Cloud computing based services, architecture, technical design, and implementations such as IaaS, SaaS, and PaaS.
- Experience with automation alongwith CI/CD pipeline.
- Deployment and management of resources.
- Strong Working knowledge of containers [Docker, Azure Kubernetes (AKS)].
- Hands-on experience in Infrastructure as Code [Terraform, Azure resource manager, AWS CloudFormation].
- Detailed understanding of SDLC methodologies.
- Experience of building new monitoring dashboards.
- Experience with Azure resource life-cycle management and governance which includes resource provisioning, de-provisioning, adding correct tags, locks, NSGs and so on.
- Hands- on experience in bash scripting, powershell and in writing json templates.
- Experience with VMware virtualization technologies.

Skills

- CI/CD Pipeline
- Powershell, Linux scripting
- Docker, Kubernetes
- Migration to Cloud
- Data warehousing
- Cloud computing
- Rest APIs
- Python, Java
- Terraform, RSGs.
- GIT & version control
- Team Foundation Server
- SQL server, MangoDB
- Starfish, Globus
- Stornext, VAST, NAS
- Confluence
- System Administration
- Cloud Management
- HTML, CSS, Javascript
- VMware, Slurm
- PowerBI, Grafana
- Troubleshooting
- Prometheus

Work History

IT ENGINEER, 01/2020 - Current
Walter & Eliza Hall Institute Of Medical Research, Melbourne, Australia

- Designing and developing workflow and architecture of processes as per software life cycle.
- Designing and implementing Azure cloud solutions using Azure services such as virtual machines,

databases, and storage.

- Maintaining and monitoring Azure resources.
- Developed automation scripts to automate repetitive tasks such as Backups, provisioning, and monitoring.
- Securing Azure resources by implementing security policies, access controls, and encryption.
- Continuously improve Azure solutions by identifying opportunities for optimization, cost savings, and performance improvements.
- Designing and implementing automated CI/CD pipelines using Azure DevOps tools such as Azure Pipelines and Azure Artifacts.
- Manage and configure Azure DevOps tools such as Azure Boards, Azure Repos, and Azure Test Plans to support development team's needs.
- Automating deployments of various infrastructure deployment elements using VMware vRealize Automation and Orchestration.
- Linux scripting along with SQL database handling in multiple projects. For example: Handled project to monitor SLURM's CPU, Memory, GPU usage which helped in finding wastage of resources to imply new policies.
- Experience with AWS -including but not limited to EC2, S3, RDS, IAM.
- Experience with server monitoring systems like Prometheus, Grafana.
- Experience with CI/CD pipeline implementation for a microservices architecture.
- Basic knowledge of Octopus and TeamCity.
- Write Blueprints for new VMs for particular subscription.
- Designing and creating blueprints for users using vRealise automation for PaaS offering.
- Manage and update documentation for Data Governance committee of organization.
- Hands on experience on managing groups and users in Active Directory (AD).
- Deep understanding of Stornext, VAST, NAS storage systems.
- Handled CLI and GUI for starfish meta and content classification, reporting and analysis.
- Written powershell and Linux scripts for quota management, chargeback, and showback.
- Installed and managed many software as modules on server.
- Script automation for unused files discovery and identifying candidates for archive and deletion to manage storage.
- Deep understanding of Tape Management.

CLOUD ENGINEER, 07/2018 - 06/2019
Stallion Motors, Melbourne, Australia

- Supporting the deployment of Azure services eg- VMs, Storage accounts, network components.
- Troubleshooting and resolving issues related to Azure services and infrastructure.
- Implementing and managing Azure security measures, such as identity and access management, network security groups, and encryption.
- Monitoring and maintaining Azure infrastructure to ensure optimal performance and availability.
- Documenting Azure infrastructure and processes to ensure knowledge transfer and maintain accuracy.

SOFTWARE DEVELOPER & TESTER, 02/2015 - 02/2016
D-Sys Data Solutions Pty. Ltd, India

- Write, Analyze, review and rewrite programs, using workflow chart and diagram, and applying knowledge of computer capabilities, subject matter and symbolic logic

- Correct Errors by making appropriate changes and rechecking program to ensure that desired results are produced
- Compile and write documentation of program development and subsequent revisions, inserting comments in coded instructions so others can understand program
- Defect tracking and reporting within sprint
- Prioritized and selected manual test cases for automation.

Education

Master's: Information Technology
La Trobe University - Australia
Data Mining – Supervised/Unsupervised learning, Clustering, Handling Big data and so on.
Big Data processing (management) on cloud – AWS, Scala, Hadoop, Spark, Hive, Data bus architecture.

B.Tech: Computer Science
BPS Women University - India, 06/2015

Certifications

- AZ-900 Azure fundamentals Certificate
Provider: Microsoft

- Machine Learning
Provider: Stanford University on coursera

- MATLAB
Provider: MathWorks

- VMware Training