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Skills

Microsoft Azure

Terraform

Azure DevOps

Git - GitHub, Github Actions

Version Control Strategies

DevOps CI/CD- Azure Pipelines

JSON and YAML Files

Containerization (Docker, Kubernetes)

Monitoring tools

EDUCATION

Bachelor of Engineering,
Information Technology
**Rajiv Gandhi Prodyogiki
Vishwavidyalaya** , Bhopal

Surya Kant Sharma

DevOps Engineer

Professional Summary

With the last 17 years focused on the IT industry and 6 years Azure ecosystem, I specialize in cloud and DevOps, demonstrating a proven track record of expertise. My skills include:

Infrastructure Automation: Proficient in leveraging Terraform within Azure environments, I have 4.8 years of hands-on experience with this technology. Azure Kubernetes Services (AKS): Instrumental in monitoring AKS clusters, adeptly addressing CPU and memory constraints by adjusting resource configurations and modifying replication

Professional Experience

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Aug 2023 - Current

Reliance Industries Ltd – Azure DevOps Engineer

Automate and Manage Infrastructure on Azure cloud using Terraform and Azure Devops.

Leveraged Azure DevOps for end-to-end automation of build, test, and deployment pipelines.

Implemented TFSec and TruffleHog for proactive security scanning of Terraform code repositories.

Enhanced resource provisioning workflows with Git-based version control.

Ensured infrastructure as code (IaC) compliance and security using Terraform best practices.

Expertise in infrastructure provisioning, configuration, and optimization with Terraform.

Configure and manage Azure Monitor.

Designed and implemented Infrastructure as Code (IaC) solutions using Terraform to automate the provisioning and management of cloud resources.

Design, implement, and maintain end to end CI/CD pipelines using Azure DevOps or other relevant tools.

Implemented YAML & JSON-based configuration files for Docker & Kubernetes, facilitating the definition and deployment of multi - container applications like three tier architecture.

Restoring of an Azure VM using Snapshot and backup.

Configuration and manage Azure Monitor.

Manage source code repositories using Git within Azure Repos, GitHub, or other version control systems

Sep-2019 to July 2023

Reliance P.P.M.S - Azure DevOps Engineer

Set up and manage automated build and deployment processes to make it easier to deliver software. Handle version control by organizing and tracking changes to code using tools like Git. Automate infrastructure setup using scripts and templates to

quickly and consistently create cloud resources. Monitor application performance and keep track of logs to spot and fix problems. Manage software releases by coordinating when and how new features are deployed. Communicate with the team to ensure everyone is on the same page and projects are moving smoothly. Follow security practices to protect applications and data. Create and use automation scripts to make repetitive tasks easier. Fix issues that come up during the build and deployment process. Document processes and configurations to help the team understand and maintain the setup.

November 2017 – Aug 2019

Reliance Jio Infocomm Limited - Azure Engineer

The role involves overseeing end-to-end Azure infrastructure management, including assessment, design, and support, while demonstrating expertise in creating and managing Azure resources like virtual networks and Window & linux VMs. Responsibilities also include configuring backups, disaster recovery, and security measures such as Azure AD and MFA. Efficient client request handling, troubleshooting, and tailored solution provision are essential, along with deploying and managing Azure VMs, integrating with on-premises environments, and ensuring security compliance and patch management. I also encompasses disaster recovery implementation, proactive monitoring, performance optimization, and client training on effective Azure service utilization.

May 2016 – November 2017

Tata Communications & Transformation Services Ltd., - Senior IT Support Engineer

Reduced server downtime by performing regular hardware upgrades and software patches. Served as a subject matter expert on various technical topics, frequently delivering presentations to senior leadership and other stakeholders. Developed customized training materials for staff members to facilitate knowledge retention and improve overall technical competency levels. Implemented a centralized ticketing system to track, prioritize, and resolve IT support requests more efficiently.

Mar 2016– May 2016

Ericsson Global India Ltd.- Sr. IT Engineer

Led team of junior engineers in successful project execution while fostering a positive working environment that encouraged professional growth. Troubleshot complex technical issues, providing timely resolution to minimize disruptions. Improved system efficiency by optimizing network infrastructure and implementing new technologies. Performed root-cause analysis of recurring issues, developing targeted solutions to prevent future occurrences.

July 2015 – Mar 2016

Videocon telecommunications Ltd. - Network Engineer

Performing KPI report analysis for Videocon GSM MPCG to meet benchmark.

Planning for GSM sites on the basis of coverage, capacity & ICR Payout.

Accountable for capacity and new expansion rollout.

Planning and executing the RF Optimization Tasks to optimize Cluster in the network during the deployment phase & existing phase.

Conducting Routine Network Parameter Audit.

Troubleshooting problematic areas and provide recommendation for better system performance.

Identifying & resolving the problem area in terms of coverage and capacity.

Conducting benchmark, normal, routine drive test as per requirement.

Analyzing the drive test data and identify the problem areas with recommended solution.

Planning and scheduling site activities to ensure completion of project within the time for optimizing resource utilization. Ensuring regular BU Interaction for handling customer complaints recurring technical problems and supported the development of preventive measures.

October 2013 – Jul 2015

Tata Tele Services Ltd.- Network Engineer

Performing KPI report analysis for TATA GSM/3G MPCG to meet benchmark.
Planning for GSM/3G sites on the basis of coverage & capacity.
Accountable for capacity and new expansion rollout.
Planning and executing the RF Optimization Tasks to optimize Cluster in the network during the deployment phase & existing phase.
Conducting Routine Network Parameter Audit.
Accountable for Monthly TRAI DT (GSM & CDMA) & EMR testing report to DoT.
Troubleshooting problematic areas and provide recommendation for better system performance.
Identifying & resolving the problem area in terms of coverage and capacity.
Conducting benchmark, normal, routine drive test as per requirement.
Analyzing the drive test data and identify the problem areas with recommended solution.
Planning and scheduling site activities to ensure completion of project within the time for optimizing resource utilization. Ensuring regular BU Interaction for handling customer complaints for TATA CDMA, TATA GSM & 3G.
Taking care for hardware Alarms on worst cells like faulty TRU, Antenna, Cards. CE/TRX Reshuffling, HSN, MAL, MAIO, BCCH, and BSIC, Neighbor planning.
To find out Low Utilization and perform best optimization for Revenue Enhancement
Monthly EMR data submission to TERM as per 22 field format for CDMA, GSM and 3G
Submission of Self Certificate for all newly aired Sites & upgraded certificates within time line

Jun 2013 – October 2013

Integrated Wireless Solution Pvt Ltd-Network Engineer

Handling all project Activities of 4G in Chhattisgarh circle.
Provide Approval of searched candidates according nominal cell planning.
Analysis of simulation report.
Coordinating with RE, construction & Vendor team to meet management targets.
Doing validation of Survey reports & uploads on GIS server.
Maintaining all trackers regarding RF survey and reflecting reports on daily basis.

August 2009 – March 2013

Huawei Telecommunications Pvt Ltd-Network Engineer

Doing physical optimization, KPI analysis, optimization, analyzing log file, installation of Repeaters, Handling customer complaints, cluster drive for 2G/3G n/w.
Network Performance monitoring to improve 2G/3G KPI's and performance.
Monitor daily KPI for the worst cells in the network in order to identify problems and propose action according to the analysis.
Data logs analysis on problematic areas such as drop call, missing neighbor analysis, call setup failure/blocked call and handover failure by analyzing log files....
RF Drive Test analysis for optimization of the networks. (GENEX PROBE 2.3)
To optimize the KPI Parameters CSSR, TCH Blocking, TCH Drop, SDCCH Blocking, SDCCH Drop, TASR, CSSR and HOSR

Jun 2009 – August 2009

NR Switch & Radio Services Pvt Ltd -Network Engineer

Drive test on Nokia BTS for checking hardware issue for improving KPI
Co-ordination with Drive team.
Doing full physical optimization, analyzing log file, make PPT.
