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# Patnaikuni Srinivaasrao

# Azure Infrastructure Admin with Devops & Kubernets

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| Professional Summary |
| * Having 10+ years of Microsoft Azure infrastructure admin with AzureDevops in production support environment * Knowledge of Agile software development methodologies (Scrum) * Very strong with version control (git/GitHub preferred /Azure Repos ) * knowledge of build automation and AzureCI/CD pipelines, CI/CD deployment activities using Github, Jenkins, Ansible * Design, develop and maintain scale-out web services for pipeline infrastructure, adhering to coding and architectural standards as developed by the global Production Engineering team * Continuous test automation * Deployment and operations of containers using Docker / Kubernetes * Terraform experience in IAAC * Work with others to monitor performance of application, create automated system administration monitoring and alert systems and respond to interruption of service events for running service * Work with IT and Dev and Ops teams to architect production deployments * Work with operational teams to debug and patch systems as issue arise * Be an active member of the global development team, participating in team meetings and developing to the global goals * Willingness to undertake some sysadmin work to manage your own development and test environments * Experience with newer databases and key-value servers * Positive 'can-do' attitude: prepared to get on with the job but also not afraid to ask for help * Ability to perform well under pressure, meet deadlines, and manage multiple tasks simultaneously. Strong written and oral communication skills * Strong interpersonal skills, with the ability to easily and effectively interact with technical, non-technical, support, and business staff at all levels. |
| Technical Skills |
| Operating Systems : Windows Family (2008/2012),Azure Virtual machineLanguages : T-SQL,Yaml,PoweshellVersion Control :GIT, GITHUB, Azure Repos Deployment Tools : Azure CI/CD , Jenkins ,Azure Devops  Buid Tools :Nuget Packages, Maven  Testing Tools :Selenium  Code analyzing Tools : Sonar Quabe  Configuration Tools : Ansible  Containers & orchestration :Docker ,AKS  IAAC :Terraform,ARM RDBMS : MSSQL,AzureSQL,Cosmos DB Monitoring Log Analytics Work space, Data dog. Grafana SQL Server Tools : SSMS, Profiler SQL Security :TDE,Datamasking |
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| * Worked as a Cloud infrastructure and devops consultant in Capgemini |
| Education |
| * Completed B.Tech in CSE from JNT University, Kakinadha in the year 2011 with 63%.  |  | | --- | | Trainings and Seminars |   Participated on Microsoft Provided training of Azure Admin AZ-104  Participated on Microsoft Provided training of Azure Development AZ- 204  Participated on Microsoft Provided training of AzureDevops AZ-400  Participated on Microsoft Provided training of Azure Security AZ-500  Participated on Microsoft Provided training of Azure Network AZ-700  Participated on Microsoft Provided training of Azure virtual desktop AZ-140  Participated on Microsoft Provided training of Azure infrastructure solution AZ-305  Participated on Microsoft Provided training of Azure Data Engineer DP-203  Participated on Microsoft Provided training of Azure SQL Database administrator DP-300  Participated on Microsoft Provided training of Azure Machine Learning and data science DP-900, DP-100  Participated on Microsoft Provided training of Azure data analyst with power BI DP-500  Participated on Microsoft Provided training of Azure Data Analysis DA-100  Participated on Microsoft Provided training of Azure Cloud native application using cosmos db DP-420  Participated on Microsoft Provided training of Azure Bi data analyst PL-300  Participated on Microsoft Provided training of Azure Platform functional consultant PL-200  Participated on Microsoft Provided training of Azure Power platform developer PL-400  Participated on Microsoft Provided training of Azure Identity access management SC -300  Participated on Microsoft Provided training of Azure Security operations Analyst SC-200  Participated on Microsoft Provided training of Azure information protection administrator SC-400 |
| Project Summary |
| **Project #**  Organization : Capgemini  Client : Volvo  Role :Azure Devops Consultant  Duration : July 2022 to till Date  Environment : Azure Devops, Azure Data Engineer and Azure Kubernet Service  **About Client:**  The Volvo Group ([Swedish](https://en.wikipedia.org/wiki/Swedish_language): Volvokoncernen; legally Aktiebolaget Volvo, shortened to AB Volvo, stylized as VOLVO) is a Swedish multinational manufacturing corporation headquartered in [Gothenburg](https://en.wikipedia.org/wiki/Gothenburg). While its core activity is the production, distribution and sale of [trucks](https://en.wikipedia.org/wiki/Volvo_Trucks), buses and construction equipment, Volvo also supplies marine and industrial drive systems and financial services. In 2016, it was the world's second-largest manufacturer of heavy-duty trucks.    **Roles and Responsibilities:**   * Administered various Azure services like Azure virtual machines,Contiiners.Azuer SQL Availability Set ,Availability Zones ,DTU Selection, Bastion Services * Experience in creating the Web apps, App plans, Logic Apps, Function Apps,Docker and Kubernets * Implemented a Azure Migration from On premises to Azure cloud * Responsible for design and maintenance for Azure Storage like Blob, File, Table , Table and Cosmos DB * Involved in Storage security and storage polices, SAS token ,keys and certificates * Created and Implemented Data Engineering Like Azure Data Lake, Azure Factory and Azure Data brakes * Participation and Contribution in Azure Active Directory like Creating Groups, Users and inviting Guest users For BtoC * Worked on AD connect like Azure Pass Throw Authentication and Pass Hash Authentication and Federation also * Handled Azure Networks,Subnets,Network Security Grouyups,inbpound & Out bound rules,Load Balancer , Traffic managers ,firewall Creation,Front Door * Taking care of Network Peering, Site to point Connectivity ,Site to Point Connectivity and Express Route * Responsible for Azure Security like Log analytics Work Space ,Azure Monitor, Network Watcher ,Alerts ,Polices , role based access ,IAM , PIM and Locks * Hands on experience on Configure Defenders like defender configure for Application ,End point, Identity group,Database,Network, Internet and on Premises servers * Participation and Contribution for Azure Sentinel work space and also worked on Analyzing Sentinel Data using KQL * Involved in configure service principle for establish connection/Authentication between Azure portal to Azure Devop * Experience in creating the company's DevOps strategy in a mix environment of Linux ( Ubuntu) servers along with creating and implementing a cloud strategy based on Azure . * Integrated GIT into Jenkins to automate the code check-out process. * Used Nuget Packages as build tools on .Net projects for the development of build artifacts on the source code * Automated the build and release management process including monitoring changes between releases. * Hands on experience on Azure Boards for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints. * Documented the entire installation process for various tools and provided on-call support. * Worked closely with developers to pinpoint and provide early warnings of common build failures. * Provided periodic feedback of status and scheduling issues to the management * Involved in install Sonar Quabe Plug-in for Code analysis * Responsible to Check Pipelines we have responsible to configure set up properly for received notifications of any failures for CI pipe line . * Worked on notifications of failure CI pipe line * Handled ticket incidents and task in Jira ticketing tool * We are taking care of monitoring teams like azure monitor and log analytical tool * Implementing Azure storage, virtual machines , compute network and AD services and configuration * Responsible Configure the Data bricks and Azure Data Factory to Version Control for Autoo machine     **`Project #**  Organization : DELL EMC USA  Client : productionsupport environment for EMC newly migrated servers  Role :Cloud infrastructure admin with Devops engineer  Duration : June 2021 To July 2022  Environment : Microsoft Azure and Azure Devops  About Client:  EMC was acquired by [Dell](https://en.wikipedia.org/wiki/Dell) in 2016; at that time, Forbes noted EMC's "focus on developing and selling data storage and data management hardware and software and convincing its customers to buy its products independent of their other IT buying decisions" based on "best-of-breed”. It was later renamed to Dell EMC. Dell uses the EMC name with some of its products  **Roles and Responsibilities:**   * Worked in container-based technologies like Kubernetes,Docker and AKS. * Involved in load balancing and adding them to Routes to be accessible from outside, troubleshooting pods through ssh and logs, modification of Build configs, templates, Image streams, etc. * Experience in designing a Terraform and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, * Compute Engines in public and private subnets along with Auto Scaler in Azure Platform. * Set up a Azure Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified * configuration and used Azure cloud CDN (content delivery network) to deliver content from Azure cache * Locations drastically improving user experience and latency. * Implemented &maintained the branching, staging & build/release strategies Using GIT. * Maintained build packages using Azure Devops on Linux & Windows platform. * Using Azure CI Pipe line/Jenkins to deploy code to , create new namespaces, creating docker images and pushing them to container registry of of Azure * Worked on all major components of Docker like, Docker Daemon, Hub, Images, Registry, and Swarm. * Create clusters in Azure Cloud and manage the clusters using Kubernetes (k8s). * Created Jenkins jobs to create Azure Infrastructure from GitHub repositories * Involved inCloud Migration services using Cloud formation and Terraform templates. * Created E1 Test and E2 Test environments for Unit, sanity, functional and performance testing, replicated all applications in Sellinum * Experience on PAAS IAAS services in Azure as per sprints of Kanban board * Involved in configure service principle for establish connection/Authentication between Azure portal to Azure DevOp * Every day,We need to check the CI/CD pipe lineJob , if the CI/CD pipeline failed to execute correctly, it would be their priority to fix it. * Involved on the automation backlog. We are Keeping it in order helps to define the scope and keep an eye on priorities. * We have only responsible to Manage infrastructure, Monitor (Data dog) and troubleshoot. * We are responsible for create documentation for other engineers in our team , it’s keep a record of what we work with daily such as infrastructure configuration or server information. * Responsible of external Meetings for understands the client’s needs. * Involved in the migration of on premises web and SQL Servrs to Azure cloud * As per IAAS,We a have created & configure Azur virtual machine ,Azure Virtual network, * Subnet ,NSG,load balancers, traffic manager, VPN gateways, AZURE AD ,AD groups,userers and guest users * Daily we are working on failure alerts on mail ,ticketing tool and monitoring tool * As per blueprint we have created storage accounts and configure log analytics work space * As per security ,we have taking care of MFA,Azure key velates , SAS tokens, Keys,Defenders , TDE , Data masking ,Data drive encryption and certificated * We are one and only responsible for installing and integrated new tools * Shift handover to the next shift colleague about the pending work or ticket logged. * Schedule change activity and get the proper approvals from customer * Daily joined in internal Hand over call * Double-check that we have taken care of everything urgent before signing off.   **Project #**  Organization : ATOS GLOBAL IT SOLUTION.  Client : SIEMESN, WSP,Monsanto  Role :Senior System Engineer in cloud  Duration : Feb 2015 To April 2021  Environment :Azure Devops Azure , MS SQL Server  **About Client:**  The principal divisions of the company are Industry, Energy, Healthcare  and Infrastructure & Cities, The company is a prominent maker of medical diagnostics equipment and its medical health-care division its subsidiaries employ approximately 372,000 people worldwide and reported global revenue of around €83 billion in 2017 according to its earnings release.  **Roles and Responsibilities:**   * Installed and administered various tools like Jenkins, Gitlab, Chef, Artifactory and executed maintenance tasks such as creating users and groups. * Experience in creating the company's DevOps strategy in a mix environment of Linux ( Ubuntu) servers along with creating and implementing a cloud strategy based on Azure . * Implemented a CI/CD pipeline involving Azure CI/CD Pipeline , Jenkins,Sonar Qube and Selenium to complete the automation from commit to Deployment. * Responsible for design and maintenance of the GIT Repositories and performed all necessary day-today GIT support for different projects. * Created and Implemented branching & merging strategy with multiple branches. * Participation and Contribution in periodic archiving and storage of the source code for disaster recovery. * Integrated GIT into Jenkins to automate the code check-out process. * Used Nuget Packages as build tools on .Net projects for the development of build artifacts on the source code * Automated the build and release management process including monitoring changes between releases. * Hands on experience on Azure Boards for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints. * Documented the entire installation process for various tools and provided on-call support. * Worked closely with developers to pinpoint and provide early warnings of common build failures. * Provided periodic feedback of status and scheduling issues to the management * Responsible to Check Pipelines we have responsible to configureset up properly for received notifications of any failures for CI pipe line . * Worked on notifications of failure CI pipe line * Handled ticket incidents and task in service now ticketing tool * We are taking care of monitoring teams like azure monitor and log analytical tool * Implementing Azure storage, virtual machines , compute network and AD services and configuration * Taking care all of storage account types like blob,que,table and files * Involved in Storage security and storage polices, SAS token ,keys and certificates * Configures and taking care of in Availability set, Availability zone and VM scale sets for High availability * configured and managing disk and Azure Disk encryption for secure data in Azure * experienced in azure bastion services and Azure service encryption for secure vms * Involved in creating cloud virtual networks, subnets, Publicip and Network security group * Responsible for create Load balancer, Traffic manager, Application gateway and firewall concepts as per blue print of planning * Involved in creating Standard routing of public network, Security aspects, and Virtual IP, DNS,CDN * Configured in site to site peering, point to site peering and Express route for connection establish between on premises to cloud * As per need base we are responsible to create service end point and private end point * We are responsible to Security division to design and manage IAM roles for users,goups,RBAC and polices * Involved for creating Azure subscriptions, resource groups ,resource manager and Azure Active directory * We are creating multi factor authentication and self service password for more secure identity management * We are responsible to invite guest users and assing roles * Creating and Administering in system design planning, review, and implementation to create enterprise SaaS solutions built on Azure * Implemented ARM ,Application insights ,Log analytics and azure portal * Involved to create Azure SQL ,Azure key vault and Azure backups * We have migrating onprem server to azure cloud using poweshell * Performing SQL server daily health check and preparing a report based on it. * Experience in Installation /configure SQL Server 2005,2008/R2,2012.. * Create new Jobs, Scheduled and maintain routine Jobs, Alerts and Maintenance Plans. * TDA implementations * Performing data refresh activities from production to Dev/Test on every month. * Monitoring the Log Space for successful execution of all the specified jobs. * Created Scheduled maintenances and backup procedures to the database as a disaster recovery method. * Good experience with installing Database Log shipping Environments * Implementing and administering database replication between SQL Server databases. * Good Experience in applying Service packs & hot fixes. * Involved in the migration of SQL Server 2005 to SQL Server 2008 2008R2,2012,2016,2017 * Monitoring and troubleshooting of failed and long running MS SQL Server jobs. * Involved in trouble shooting, fine tuning of databases for its performance. * Implementing and administering database replication between SQL Server databases. * Shift handover to the next shift colleague about the pending work or ticket logged. * On Call 24/7 Support to databases on weekly rotation * Ensuring Data consistency in the database through DBCC commands   **Project #**  Organization : Computer Sciences Corporation India Pvt. Ltd.  Client : Home Depot, USA.  Role : Database Administrator  Duration : March-2013 to Jan 2015  Environme : MS SQL 2005, 2008, 2008 R2, 2012  **About Client:**  The Home Depot (referred to in some countries and often in colloquial speech simply as Home Depot) is an American retailer of home improvement and construction products and services.It operates many big-box format stores across the United States (including all 50 U.S. states, the District of Columbia, Puerto Rico, the United States Virgin Islands and Guam), all ten provinces of Canada, as well as Mexico. The company is headquartered at the Atlanta Store Support Center in Cobb County, Georgia, in Greater Atlanta.  **Roles and Responsibilities:**   * Installation and configuration of MS SQL Server 2005 and 2008R2. * Migrating databases from SQL Server 2000 to 2005 and SQL Server 2005 to 2008. * Resolving Tickets which include creating and maintaining databases, monitoring Disk Space, database integrity, identifying missing Indexes, handling blocking * Implement and maintain database security as per business rules and requirements * Configuring and troubleshooting high availability scenarios like Log Shipping. * Implemented Database Mirroring with High Availability Mode in SQL 2005 * Maintained & Monitored Alert/Schedule to make smooth replication process. * Ensure and maintain sound backup and recovery policies and procedures. * Database performance monitoring and tuning when required as per application and business requirements. * Backing up the Database on a daily basis. * Creating and managing user/group and logins. * Resolving blocking processes related issues. * Responsible for refreshing databases as per client request. |
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