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# **Shravan Kumar Amjala**

AWS Cloud solution certified engineer, experienced System Engineering and Architecting with 11+years demonstrated history of working in the Retail, Government, health care and financial industry. Strong information technology professional skilled in AWS Cloud Infrastructure automation, VMware Virtualization, Devops and Config Management.

**CERTIFICATIONS**

**CORE COMPETENICES**

* Designed and deployed a multitude of applications utilizing almost all the AWS stack (Including EC2, EMR, Glue, CloudFormation, Terraform, AWS control tower VPC, VPN setup, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto scaling in AWS CloudFormation. Aws Cost optimization.
* Design and management of Cloud migrations and Infrastructure for AWS.
* Developed technical solutions involving multiple applications to solve business/production needs.
* Provided detailed solution architecture and designs, as well as delivery of estimations for BHSF T&D projects. Coordinate with other architects and designers from various disciplines to define the most cost-effective and efficient design.
* Designing, planning, communicating and driving architecture, engineering and infrastructure while driving changes that increase technology performance and availability, reduce time to market, new capabilities across the enterprise, decrease complexity and optimize revenue and cost.
* Analyzed current technologies used within the company and determine ways to improve. Document and monitor requirements needed to institute proposed updates.
* Provided detailed specifications for proposed solutions. Define clear goals for all aspects of a project and manage their proper execution.
* Hands on experience in implementing an DevOps pipeline and the AWS CI / CD tool sets.
* Installation and Configuration of VMware vRealize automation and orchestrator from scratch.
* To manage those responsible for the operation of current Infrastructure Technology & to design and manage the implementation of future technology for the company.
* To improve upon & introduce new automation & design changes that allow for greater flexibility & response at reduced cost.
* Worked with a cross-functional team to translate customer requirements into detailed architectural approaches and product specifications.
* Created realistic development plans and schedules, evaluates, and prioritizes requests for product changes and enhancements.
* AWS Certified Solutions Architect – Associate.
* Microsoft Certified: Azure Solutions Architect Expert.
* Microsoft Certified Systems Administrator (MCSA) Windows.

EDUCATION

* Master of Science in Management Information Systems, Wilmington University, Newcastle, Delaware (2013-2015)
* Bachelor of Engineering in IT, JNTU Hyderabad, India. (2005-2009)

TECHNICAL SKILLS

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| **Devops Tools** | GIT, Bitbucket, JIRA, Jenkins, Bamboo, Ansible, Confluence, Docker |
| **Cloud Platform** | AWS, Azure, and IBM Cloud (Public, Private and hybrid) |
| **Languages** | Unix Shell scripting, PowerShell, Python, CloudFormation and Terraform |
| **OS Tools** | Windows servers, Linux, CENTOS,  RHEL, MS Office, VMware ESX |
| **Hardware** | Hp, UCS, DELL and IBM Servers (scale- out power server, scale-out/Linux power server, Enterprise power server) EMC  Storage, HP Storage, and IBM Storage |
| **Database** | Oracle, Hadoop, DB2, SQL. |
| **Network** | Cisco Router, Cisco MDS Zoning Switches, Brocade Switches & Routers TCP/IP, DHCP, VPN, DNS, WINS, Load  Balancer. |
| **Miscellaneous** | Zerto, Splunk, Hive, Hadoop |

**MISCELLANEOUS**

* B. Tech department Student Organization President.
* Governor scholarship award from Saginaw Valley State University.
* Scholarship award from Andhra Pradesh state Government.

**EXPERIENCE**

**Sr. Cloud Infrastructure Solutions Architect\Engineer**

**Christmas Tree Shops, Middleborough, MA Nov 2020-Present**

* Lead programs of work that deliver Cloud solutions & strategies
* Translated complex business problems into robust cloud solutions driving innovation powered by cloud
* Design and management of Cloud migrations and Infrastructure for AWS.
* Extensive experienced in Implementing AWS Control Tower & Landing Zone.
* Performed Infrastructure\ Data Migration from On-Premises to AWS using Cloud Endure and AWS SMS.
* Walk thru to white boarding of Complex architecture and implementation planning to stake-holders and leadership.
* Setup of Hipaa Compliant landing zone environment with a multi-account architecture.
* Deployment of Cloud service including Jenkins and python applications on Docker (ECS) us-ing Terraform.
* Container management using Docker by writing Dockerfiles and Multi-Stage Build to set up the automated build.
* Automate Day to Day activities using AWS Lambda and boto3.
* Heavily used CloudFormation & Terraform to automate all aspects of the AWS infrastructure provisioning of Highly Available, durable and Scalable.
* 'Codify' existing and new infrastructures in AWS via Terraform (CD/CI).
* Aid in the design and implementation of public and hybrid cloud environments.
* Deliver 'Lift and Shifts' onprem to cloud AWS.
* Leverage business insight tools such as Cloud Health, SolarWinds, Veeam Backup, etc.
* Design and management of Cloud migrations and Infrastructure for AWS.
* Developed technical solutions involving multiple applications to solve business/production needs.
* Provided detailed solution architecture and designs, as well as delivery of estimations for BHSF T&D projects. Coordinate with other architects and designers from various disciplines to define the most cost-effective and efficient design.
* Designing, planning, communicating and driving architecture, engineering and infrastructure while driving changes that increase technology performance and availability, reduce time to market, new capabilities across the enterprise, decrease complexity and optimize revenue and cost.
* Analyzed current technologies used within the company and determine ways to improve. Document and monitor requirements needed to institute proposed updates.
* Provided detailed specifications for proposed solutions. Define clear goals for all aspects of a project and manage their proper execution.
* Working on  Linux, MacOS, &/or Windows systems servers.
* Managed cloud-based solutions using VMware, AWS, Azure &/or Kubernetes.
* Worked on LDAP, DNS, SSO, MDM, SMTP, system performance-monitoring tools, virtualization, HTTP, email routing & administrating with REST APIs for application integration & automation, & familiarity with authentication standards.
* programming with Python & Terraform. Working with Git or other version control systems, JIRA and confluence tools.
* Understanding of TCP/IP networks, troubleshooting, & related technologies. AWS,Chef, Docker, Terraform,F5, Couchbase dynamics, Transit gateway, Storage Gateway, Control Tower Elasticsearch.
* Strong Linux and Windows-based systems administration skills: Windows 2012, 2016 and RHEL 6, Amazon Linux, Ubuntu
* Heavily used DevOps tools git, Jenkins, AWS CICD Suite(Code Commit, Code Deploy, Code Pipeline), Chef & Ansible.
* Migration Experience of On-Prem DB to the RDS.
* AWS services included: AWS Elastic Search, EC2, VPC, R53, RDS, Storage Gateway, Transit Gateway, Site to site VPN, CloudFormation, EC2, Lambda, logging/CloudWatch, IAM, ELB, S3, EBS, SNS

**Sr. AWS Solution Architect Consultant**

**Vanguard, Charlotte, NC July 2019-Oct 2020**

* Design and management of Cloud migrations and Infrastructure for AWS.
* Participate in planning, implementation, and growth of our infrastructure on Amazon Web Services.
* Designed and managed of hybrid cloud scenarios for both AWS and on prem.
* Designed roles and groups for users and resources using AWS Identity Access Management (IAM) and managed network security using Security Groups, and IAM.
* Working on VPC, AZs, Subnets, Route53, ALB/NLB, WAF, Stack sets, Security Groups, NACL.
* Provided durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
* Working knowledge of Services IaaS, PaaS, and SaaS and coming trends in the Cloud space.

## Sr. Lead Cloud and Virtual Operations Engineer

**Communications, Charlotte, NC July 2017-June 2019**

**Spectrum**

* Served as a hands-on subject matter expert for DevOps and Automation in an AWS infrastructure environment.
* Expertise in creating DevOps strategy in a various distribution of LINUX and Windows alongside using DevOps tools suites like Subversion (SVN), GIT, CVS, ANT, Maven, Jenkins, Bamboo, Artifactory, and Splunk in traditional environments,
* Designed and Developed automation pipelines for Big Data Platform using AWS EMR, Hive and Spark.
* Worked on AWS services like EC2, Elastic Beanstalk, S3, Auto Scaling, Elastic Load balance, EBS, RDS, VPC, Cloud Front, Cloud Watch, Cloud Trail, SQS, SNS, Route 53, IAM, Cloud Formation, DynamoDB.

## Sr. Cloud\VMware Infrastructure Architect

**CVS Pharmacy, Cincinnati, Ohio Mar 2015-June 2017**

* Created automated pipelines in VMware windows server builds more 88 Application. Worked exclusively with target pharmacies acquisition migration.
* Conceptualized and implemented induction training program, led process improvements by defining action items, driving review calls, and implementing new workflow that shortened project delivery period by 33%.
* Headed coordination among teams in Minnesota, Arizona, and India for >$100 MM acquisition deal Oversaw team achieve 95% of service-level agreement by leading performance analysis and documentation.
* Develop push-button automation for app teams for deployments in multiple environments like Dev, QA, and Production.

## Research Assistant

**Wilmington University, New castle, DE March 2013-Feb 2015**

* Designed, implemented, and maintained AWS Cloud and VMware vSphere infrastructure.
* Involved in creating vSwitches and created different ports groups for different purposes.
* Extensively worked on VMware Update Manger for Host upgrades and patches.
* Implements VMware vSphere for server consolidation and virtualization.

## Sr Systems Administrator

**State of California, CONSUTIUM C-IV, Sacramento, CA Oct 2011-March 2013**

* Installed and configured VMware ESX hypervisor, deployed VMs, performed Live migration and storage live migration, attached/reclaimed storage, and configured networking.
* Responsible for the deployment of image files for the Broad Commercial Business by using MDT.
* Used SCVMM and VMware to install, configure and maintain 2150 Virtual Machines.

## Implementation & Support Executive

**Nalin Soft Inc., Hyderabad, India June 2009- Sept 2011**

* Implemented VMware updates in the update manager to install & troubleshoot patches and updates on ESX hosts and virtual machines. Automated tools install and pulling reports on ESX hosts performance.
* Managed Data Center operations and consolidation of equipment.