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* Good experience in implementing PCI compliance for various stack with different tools

Inspector, **Lambda** functions, Guard duty, Config, **IAM** Access analyzer etc.

* Good experience on handle Cloud architectural design and planning of application deployment life cycle and infra migrations.
* Migrated **MySQL** and **PostgreSQL** db data Between cross AWS environments and using schema with and without data using **Deaver**
* Administered Amazon Redshift clusters, including provisioning, scaling, and configuration, ensuring optimal performance and reliability for data warehousing solutions
* Optimized Redshift performance by fine-tuning queries, adjusting distribution and sort keys, and configuring Workload Management (WLM) queues.
* Good experience with **Agile** process with sprint management a backlog grooming with **Jira**
* administration and Confluence management. Updating confluence documents with best practices and appropriate process steps.
* Tested **Rest API’s** using **Postman** to collect API-calls and performed several repetitions by using collection Runners. Tracked the retrieved data from debug tests and used **JMeter** to test loads.
* Experienced with the Installation, Configurations, maintenance, and support on different platforms like Centos Linux, **Ubuntu, Red hat Linux**, **VMware**, Vagrant, Virtual Box, Windows.
* Troubleshooting the server issues like disk, slowness, CPU, memory, and application errors.
* Responsible for user on-board and off-board service access related the Eng-Ops responsible

services.

**Certifications**

* **AWS certified Solution Architect Associate**

**Work Experience:**

**CY9 INC**

**Client: Deloitte** March 2023 – till-date

**Senior Devops Engineer**

* Leading the team to achieve the project goal and handling the team issues.
* Manage hybrid cloud environments with over **400+ accounts** and hundreds of thousands of

Workloads, ensuring **security and compliance** with industry standards and regulations.

* Responsible for designing, deploying and managing scalable, highly available and fault tolerant

Infrastructure for an application on AWS cloud with emphasis on both infrastructure and security

Perspective on environment.

* Utilized **Network monitor, TCP dump** for analysing logs to provide modifications to the overall design as well as determining the root causes for any performance issues.
* Provided customers cloud & Linux expertise and support with configuration guiding increasing integration smoothness.
* Optimized the cost by Developing automated scripts for cloud deployments also implemented disaster recovery for the project it reducing the downtime. Monitored and optimized cloud infrastructure performance.
* Involved and implemented SSDLC (Secure Software life cycle) process like, Architecture review, Sast and Dast Scans, Pen testing and source
* Migration of infrastructure, data and application out of legacy data centres into cloud environments. (JIRA, BITBUCKET, BAMBOO and JAMA Servers)
* Creating and maintaining build and deployment pipelines for different Projects, also maintaining Bitbucket, jira, jama and task top tools with high availabity.
* Performing Fortify scans regularly across all the projects and also doing daily build and deployments activities including code merges and code freeze.
* Performing OS Patching and provisioning access to ALMS tools and taking regular backups.
* Expert in the architecting Database Server and Configuration, Analysis, Development, Maintenance, Performance Tuning, Migration, Support and Administration.
* Collaborated with cross-functional teams to automate infrastructure provisioning using Ansible, Gitlab, and Terraform.
* Expertise in working multi cloud environment like AWS and AZURE and maintaining network with high availability.
* Implementing the Azure API Management Service. Creating the Automated CI CD Pipelines using YML. And Handling the Azure SQL Database.
* Administered multiple Amazon Redshift clusters with a focus on performance optimization and security, ensuring high availability and reliability of data warehousing services.
* Enveloped and managed ETL workflows using AWS Glue and Redshift Spectrum, enabling efficient data processing and integration from various sources into Redshift
* Implemented automated snapshot management and backup strategies for Redshift, ensuring data integrity and facilitating quick recovery in the event of data loss.
* Configured and maintained Redshift security settings, including encryption and IAM roles, to ensure compliance with industry standards and data protection regulations.
* Connected Redshift to BI tools like Tableau and Looker to create interactive dashboards and reports, enabling data-driven insights and decision-making
* Utilized AWS CloudWatch and Redshift's built-in monitoring tools to track performance metrics and set up automated alerts for proactive issue resolution
* Provision AWS resources using management console as well as command line interface.
* Configure network infrastructure with in VPC with public and private subnet and configuring route tables and internet gateway using terraform.
* Maintaining Documentation in Azure WIKI.
* Using branching strategies implemented CI/CD pipelines for different environments like DEV, SIT and STAGE.
* Implemented Micro-service Architecture pattern.
* Deployed Services using Helm charts and EKS services and provide support to the team also monitoring the cluster health checks to provide high availability
* Experienced with AWS administration and managing different cloud services like EC2, Lambda, Athena, VPC, EBS, S3, Cloud watch, R53, ECS, EKS, Inspector, Guard Duty, ECR, IAM, SNS, ACM, Elastic Search, KMS, CloudFront, Notebooks, AWS Work space, System Manager AND RDS.
* Collaborated with development teams to ensure the security and compliance of applications in production.
* Created IAM User accounts and role-based policies for to access different AWS services.
* Created automated snapshots using cloud watch triggers and created EBS volumes from snapshots.
* Virtualized the serves using the Docker for implementing different environments also automated containerizing
* Involved in Agile Story point methodologies and full software development lifecycle, that includes designing, coding, testing, debugging and support.
* Used Agile Scrum methodology to deliver in sprints, Code Review Meetings, and actively retrospective meetings.
* Knowledge of containerization and orchestration technologies such as Docker and Kubernetes.
* Experience with cloud-based platforms such as Azure SQL Database or SQL Server on Azure Virtual Machines.
* Involved in configuring the design patterns for Services.
* Knowledge of security practices for microservices, such as authentication and authorization.
* Experience with monitoring and logging tools for microservices, such as Azure App Insights.

**Deloitte Cyber Risk & Advisory**

**Client: Terbium Labs – Match Light** June 2021 – March 2023

**Senior DevOps Engineer**

* Crawling Peta bytes of data from Dark Websites and processing data using Finger printing technology and storing huge data into S3 buckets and Glacier services using Life cycle Rules.
* Implemented and managed automated CI/CD pipelines using Jenkins (Groovy) and GitLab, ensuring security and compliance of applications in production.
* Developed scripts in Python and Bash to automate security tasks, such as vulnerability scanning and patch management using Ansible.
* Administered multiple Amazon Redshift clusters with a focus on performance optimization and security, ensuring

high availability and reliability of data warehousing services.

* Eveloped and managed ETL workflows using AWS Glue and Redshift Spectrum, enabling efficient data processing and integration from various sources into Redshift
* Worked closely with data scientists, analysts, and IT teams to gather requirements, implement Redshift solutions, and deliver actionable insights
* Developed and managed ETL workflows using AWS Glue and Redshift Spectrum, enabling efficient data processing and integration from various sources into Redshift
* Utilized AWS CloudWatch and Redshift's built-in monitoring tools to track performance metrics and set up automated alerts for proactive issue resolution.
* Reduced Redshift storage costs by 20% through efficient data compression techniques and by implementing data lifecycle policies for automatic data archiving
* Developed complex SQL queries and scripts for data analysis and reporting, applying indexing and optimization techniques to enhance query performance
* Implemented automated snapshot management and backup strategies for Redshift, ensuring data integrity and facilitating quick recovery in the event of data loss
* Designed and implemented containerization solutions using Docker and Kubernetes, incorporating security best practices and threat modeling.
* Collaborated with development teams to ensure the security and compliance of applications in production.
* Implemented security monitoring and logging solutions using ELK stack and Prometheus, resulting in real-time visibility into security threats and vulnerabilities.
* Did AWS EC2 and DB data Migration between different AWS accounts using AWS CLI
* Expertise in writing terraform template and modules to provision the AWS infrastructure

and anaging the complete environment through terraform and handling Implemented

Static Webhosting application using s3 and cloud front also updating certs in AWS certificate Manager

* Created Service based IAM Roles and Policies to control the limit using Terraform
* Using gitlab-ci.yml defining different build stages and deploying the different builds.
* Implemented Gitlab CI/CD Pipeline for Node JS project and also created Pipe line for Python project
* Implemented Multiple CICD pipelines for STG, DEV, Utility and Prod Environments
* Implemented customized Docker images and pushing to Docker hub and maintaining docker

containers up and running.

* Deployed Services using Helm charts and EKS services and provide support to the team also monitoring the cluster health checks to provide high availability
* Worked on Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups also configured Azure pipelines
* Knowledge on GCP Services like, compute engine, container registry, cloud memory store, cloud SQL, PostgreSQL, cloud DNS, Cloud NAT and Cloud Storage
* created elastic cache servers, DynamoDB tables with encryption using KMS Services
* also implemented Cognito user pool to control the login access for the application to increase the login security.
* implemented Notebooks for developers to set up the workspace environment alsoCreated workspaces for the analysts to test application Implemented the Deaver setup in bastion host to connect DB servers and applying changes and updating the db.
* Testing Rest API’s using Postman Tool, to collect API-calls, also performing several repetitions by using collection Runners also track the retrieved data from debug tests. Also having experience with JMeter to test loads Liaison with Product
* Defines and drives adoption of a best-in-class monitoring frameworks to accomplish end to end application or service monitoring with proper telemetry.
* Involved and implemented SSDLC (Secure Software life cycle) process like, Architecture review, Sast and Dast Scans, Pen testing and source
* Scheduling internal meetings with team on daily basis and working on the blockers and maintaining environment up to date as per the releases
* involved in code testing like BCP, SAST AND Dast Testing.
* Configured 0-layer control policies while creating the infrastructure without getting any security violations and maintain standards
* Gathering inputs from the product owners and clients and planning the sprints
* Worked extensively with developers, testers, release management, production support teams to understand their requirement and provided support.
* Implemented and managed network security solutions, including firewalls and IDS/IPS, ensuring protection against cyber threats and attacks.

**Innominds**

**Client: Indus Business System Limited**

**DevOps Engineer**  Oct 2018 – June 2021

* Responsible for setting up the application environment in both AWS and Physical Servers.
* Configured CI-CD Setup with GitHub and JENKINS. Integrated SonarQube scanner in the Jenkin pipeline to detect the vulnerabilities
* Deployed services using Helm charts and EKS services and provide end to end support to the

team related to Helm and K8 tasks/issues.

* Written Ansible roles and playbooks to automate the steps on infrastructure provisioning
* Implemented Jenkins master slave configuration to reduce the load. Written multiple Docker files to deploy application and build it through image.
  + Implemented Jenkins CI/CD build Pipeline for Maven project.
* Worked with Jenkins build (creating/deploying/maintaining/resolving) to support all requests.
* Written Ansible roles and playbooks to automate the steps on infrastructure provisioning
* Using Docker files Implemented customized Docker images and pushed to Docker hub and maintained and ran docker containers.
* Experience with container-based deployments using Docker, working with Docker file, Docker images, Docker hub and Docker registries.
* Interact with the stakeholders and understand technical requirements pertaining to Middleware infrastructure services.
* Validating the availability of the URL's and app login page and different user logins
* Managing, mentoring and training offshore production support team. Guiding them on day-to-day and future infrastructure and deployment activities.
* Responsible for troubleshooting production issues by analyzing server and application logs
* Creating updating Jenkins Job for upcoming new Projects. Modification in existing Jenkins Jobs as and when required. Troubleshooting Build related issues and resolving in timely manner.
* Configured Servers in private subnets and configured bastion host to get authorized access to the db servers with multizone setup for high availability
* Automated SonarQube scanner to Jenkins pipeline using plugins also did vulnerability scan
* Applying patches for every week on Production, Dev, QA and STG for discovered
* vulnerabilities.
* Configured Nagios setup and monitoring the Environment
* Responsible for setup the SonarQube and PMD for code inspection
* Configured the Nexus sever and maintaining the WAR&JARS. Automated build setup and integrated git, Jenkins, and Nexus
* Provided Infra related Support to developers and track the issue through Jira tickets.
* Created/terminated instances based on requirements and deployed docket container on that.
* Created multiple logs rotate scripts to manage server logs and disk utilization.
* Launching EC2 Instances with required security groups customizing the inbound and outbound rules and Creating tags
* Monitoring the resources &applications using Cloud Watch
* Launching instances in cloud (AWS) according to the team’s requirements and creating documentation
* Coordinating the team throughout entire release cycle.
* Provided Infra related Support to developers and track the issue through Jira tickets.
* Configured different physical servers also monitoring with Nagios.

**Easyway Technologies**

**Client: Charter Communications**

**DevOps Engineer**  Dec 2016 – Oct 2018

* Providing 24-7 support to the client for the business operation running smoothly
* Sync up with clients and attending daily standup calls to get hand offs from onsite team
* Monitoring the Environment to get all the process stable without getting any issues
* Created and maintained fully automated CI/CD pipelines for code deployment using Jenkins

and Ansible.

* Implemented **AWS Cloud platform** and its features, which include: **EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, Cloud Trail, Autoscaling, ACM, KMS, IAM, S3, Docker, ECS, EKS Secret Manager** and **R53**
* Database updates with Create and Drop tables and Schema updates as per the requirement for new deployments. Taking DB backup and restore when required.
* Source code management with Bit bucket to add, commit, push codes to various branches and setup Jenkins
* Developed build using ANT and MAVEN as build tools and used Jenkin tools to kick off the builds move from one environment to other environments.
* Responsible for writing Ansible playbooks for service configurations - OpenVPN, Zabbix,

and Web Server. Responsible for domain Management with GoDaddy

* Help migrate applications from On-Prem to Cloud (IaaS)
* Built CI/CD pipelines consisting of tools like Git, Maven, Ant, Jenkins, Docker, Ansible, Tomcat.
* Responsible for setting up AWS networking components like VPC's, subnet's, NAT Gateways, Internet Gateways, NACL's
* Experienced in writing Jenkins scripted pipelines for DevOps CI/CD implementation to release and deployment
* Responsible for setting up Cron jobs for the user to deploy scripts on production servers.
* By using Asgard tool Deploying micro services and creating stacks in cloud environment (AWS)
* Worked on different technologies such as AWS, JIRA, Containers, CLOUD, and Rack

servers.

* Worked on Ansible configuration management to implement server management.
* Responsible for User management and OPENVPN administration.
* Monitoring the resources &applications using Cloud Watch
* Launching instances in cloud (AWS) according to the team’s requirements and creating documentation
* Maintaining long term back up Amazon Glacier
* Sending multiple notifications using SNS Service (simple notification service)
* Working on tickets as per the priority level using Jira Ticketing tool
* Creating Elastic Load Balance to increase the server performance
* Creating virtual private cloud, creating subnet masking
* Attaching the volumes to existing instances

**Moonstone Info Tech Pvt. Ltd**

**Client: Enterprise Signal India Pvt. Ltd**

**Cloud Operation Engineer** March 2015 – Dec 2016

• Created and maintained fully automated CI/CD pipelines for code deployment using Jenkins

and Ansible.

• Actively manage, improve, and monitor SaaS applications in cloud infrastructure on AWS, EC2,

• S3, EBS, VPC, ALB, NLB, Auto Scaling, Route53, RDS, including backups, patches, and scaling.

• Automated manual repetitive tasks using Ansible, shell scripting, and python scripting

• Maintained and monitored AWS MySQL RDS and EC2 hosted MongoDB replica sets. With high

availability and hourly backups.

* Responsible for Version Control Management tools such as Git & GitLab.
* Responsible for AWS administration along with other cloud administration.
* Responsible for Administration of wiki server and documentation. LDAP administration and user and group management
* Launching EC2 Instances with required security groups customizing the inbound and outbound rules and Creating tags.
* Troubleshooting the consul, Traffic and Haproxy related issue.
* Setup Prometheus and Alert manager using Docker container. Automating backups by shell for Linux to transfer data in S3 bucket. Worked on Log stash, Kibana and Elastic search.
* Configured all the domains in route 53 with SSL Certificates also limiting the user access with Gio restriction using cloud front settings
* Implemented the DBeaver setup in bastion host to connect DB servers and applying changes and updating the db and Monitoring Entire infra using Cloud watch.

**Moonstone Info Tech Pvt. Ltd**

**Client: VINSPIRE TECHNOLOGIES PVT LTD**

**System Administrator** Dec 2012 – March 2015

* Provide L1 and L2 +Remote Administration Support for problems raised on Linux servers.
* Remote administration through Putty, SSH
* Created and maintained user accounts in RHEL and other operating systems
* Having experience on installing, managing, and upgrading patches and packages through RPM (Red Hat Package management) and YUM (Yellow Dog Update Modifier) utilities
* Configuring the private repository for accessing the packages with YUM
* Monitoring System performance of the CPU utilization, memory utilization, swap utilization and disk space utilization
* Installing and configuring the services like FTP, NFS, SAMBA, WEBSERVER (APACHE) and KICKSTART
* Configuring LVM
* Managing the Network Part (Assigning/changing the ip address, checking network connectivity and changing the Host name
* Handling various hardware related issues, by coordinating with various venders and replacing the faulty hardware components
* Creating multiple users and attaching roles according to the user level
* User and group administrations
* Experience on file system and disk management and managing disk quotas
* Performing Mount and unmount operation on file system
* Scheduling / controlling of jobs using Cron
* Responsible for launching, configuring setup, stop, termination of servers in VMWARE.
* Responsible for administrating the Nagios servers with client machines.