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### Professional Summary

DevOps Engineer with Over 19 years of IT experience and over 8 years of progressive experience in Cloud/DevOps, Software Configuration Management (SCM), and Process Automation. Proficient in managing environments across Microsoft Azure, Amazon Web Services (AWS), and Google Cloud Platform (GCP), with expertise in deploying and managing applications in both PaaS and IaaS environments.

- Extensive experience with Microsoft Azure Cloud Services, including Azure PaaS & IaaS, Application Insights, Azure Monitoring, Key Vault, and Visual Studio.
- Skilled in Azure API Management, Cloud-to-Cloud Integration, and Security practices for public and private cloud environments.
- Strong background in assisting scope definition, planning, estimation, and tracking of projects, adhering to company methodologies and documentation standards.
- Designed and developed Cloud Service projects, deploying to Web Apps, PaaS, and IaaS environments, automating deployment through Azure CI/CD pipelines.
- Hands-on experience with various cloud platforms including AWS, Azure, and GCP, facilitating multi-cloud deployments and migrations.
- Skilled in scripting languages including Gradle, Maven, ANT, Python, and Shell scripting for automation and administration tasks.
- Experienced in DevOps automation tools such as Chef, Ansible, Artifactory, SonarQube, streamlining deployment and configuration management processes.
- Leveraged provisioning tools like Terraform and CloudFormation for launching EC2 instances and managing infrastructure on AWS.
- Proficient in Docker containerization, creating Docker images, configuring shared volumes, and deploying containerized applications on platforms like Docker Hub, and Kubernetes.
- Experienced in Continuous Integration (CI) and Continuous Deployment (CD) methodologies using Jenkins ensuring seamless software delivery and deployment pipelines.
- Excellent oral and written communication skills, coupled with strong analytical problem-solving capabilities, enabling effective collaboration and resolution of complex technical challenges.

### EDUCATION

- Bachelors in Electronics & Communication, Nagarjuna University, Andhra Pradesh, India, 2008

### Technical Skills

Operating Systems	RedHat, Cent OS, Ubuntu, Windows.
Languages	C#, Java, PHP, PL/SQL, MySQL.
Scripting Languages	Bash, PowerShell, Shell Scripting and Python
Build Tools	Ant, Maven, Gradle
Integration Tools	Jenkins, Hudson.
Configuration Management Tools	Ansible, Chef
Repositories	Nexus and Artifactory.
Version Control Systems	Git, GitHub, SVN.
Monitoring Tools	Splunk, Nagios, Datadog, Prometheus
Cloud Platforms	Microsoft Azure, GCP, AWS
Deployment Platforms	App Engine, Cloud Functions, K8S, Web Apps, Lambda Functions

**Professional Experience****Client: Euroclear, CareSource****Sep 2022 – Present****Sr. Cloud/DevOps Consultant****Responsibilities:**

- Implemented Google Cloud Build for building and releasing software baselines, managing code merges, and creating branches in Cloud Source Repositories, facilitating collaboration between development and infrastructure teams.
- Led Continuous Integration and Deployment processes using Jenkins integrated with Cloud Build, Gradle, and Ansible for automated software delivery and infrastructure provisioning on Google Cloud Platform (GCP).
- Played a key role in designing and implementing the architecture of DevOps platforms on GCP, leveraging services such as Cloud Build, Google Kubernetes Engine (GKE), and Cloud Functions.
- Implemented various GCP services, including Compute Engine, Cloud Storage, Cloud Identity and Access Management (IAM), Cloud Monitoring, and Cloud Pub/Sub.
- Configured and managed Google Kubernetes Engine (GKE) for Docker orchestration and containerization, optimizing resource utilization and enhancing scalability of applications.
- Proficient in container technologies such as Docker and container orchestration tools like Kubernetes, with experience in managing container clusters on GCP.
- Expertise in infrastructure as code (IaC) using tools like Terraform for provisioning and managing resources on GCP.
- Utilized Google Cloud Deployment Manager for deploying and managing resources in GCP environments, ensuring consistency and reliability of infrastructure deployments.
- Implemented multi-factor authentication (MFA) between GCP and on-premises identity providers using Google Cloud Identity-Aware Proxy (IAP) and Identity Platform.
- Ensured high availability and disaster recovery of GCP resources using Cloud Load Balancing, Cloud Storage, and Cloud DNS services.
- Implemented encryption solutions using Google Cloud Key Management Service (KMS) and Customer-Supplied Encryption Keys (CSEK) for data security in GCP.
- Created and managed user roles and permissions using Cloud IAM for securing access to GCP resources and services.
- Automated deployment and configuration management tasks using Google Cloud Deployment Manager and Cloud Shell, writing Bash and Python scripts for infrastructure automation.
- Designed and implemented backup and disaster recovery strategies for critical systems and data stored in GCP environments.
- Utilized Cloud Functions and Cloud Run for serverless computing and event-driven architecture patterns on GCP.
- Leveraged GCP's monitoring and logging capabilities for performance optimization, troubleshooting, and auditing purposes.

**Client: UBS Investment Bank****Jan 2020 – Aug 2022****Cloud/DevOps Engineer****Responsibilities:**

- Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
- Assist in scope definition, planning, estimation, and tracking.
- Document all related work per company's methodology.
- Creating Versions of Existing API's and automate deployment through AZURE DevOps pipeline.
- Experience in Azure App registration, creating service connections.
- Worked on Microsoft Azure (Public) Cloud to provide IaaS support to client. Create Virtual Machines through Power Shell Script and Azure Portal

- Managed Azure SQL databases using SSMS and exported and imported databases during application deployments to Production.
- Deployed VNets and Site-Site VPN using PowerShell and deployed VMs into various Subnets and enabled communication between Subnets.
- Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus.
- Primary responsibility for the Active Directory Administration to provide strategic and tactical direction for the Active Directory Services, Identity and Access Management, Roles Based Access Control and Segregation of Duties.
- Build VMs availability sets using the Azure portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
- Installation, Setup and configuration of automation process with Selenium.
- Performed all necessary day-to-day Subversion/GIT support for different projects.
- Worked on Cloud Administration tasks such as creating Affinity Groups, Storage Accounts, Site - Site VPN, ExpressRoute, DNS servers.
- Responsible for Database build, release, and configuration
- Automated the build and release management process including monitoring changes between releases.
- Deployed the Java applications into web application servers.
- Responsible for architecture decisions and tasks for ongoing migration efforts.
- Design, install, administer, and optimize hybrid cloud components to ensure business continuity (i.e. Azure AD, ADFS, SSO&VPN Gateways.).
- Involved in the design and development of web application in C#.NET, ASP. Net, User Controls and deployment in the cloud environment.
- Worked on various Azure services like Compute (Web Roles, Worker Roles), Azure Websites, Caching, SQL Azure, NoSQL, Storage, Network services, Azure Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
- Responsible to develop services using .NET/C# code and Web API technology (Restful API).
- Kept track of all the releases and request of the developers through Infrastructure management tool.
- Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.

**Client: Atradius, DBS Bank, Metro Bank**

**Sep 2016 – Jan 2020**

**Cloud/DevOps Engineer**

**Responsibilities:**

- Built and released software baselines, managed code merges, and created branches using AWS Code Commit and interfaced between development and infrastructure teams.
- Implemented Continuous Integration and Deployment using Jenkins integrated with AWS Code Build, AWS Code Deploy, and AWS Code Pipeline for automated software delivery and infrastructure provisioning on AWS.
- Played a key role in designing and implementing the architecture of DevOps platforms on AWS, leveraging services such as AWS Code Build, Amazon Elastic Kubernetes Service (EKS), and AWS Lambda.
- Implemented various AWS services, including Amazon EC2, Amazon S3, AWS IAM, Amazon CloudWatch, and Amazon SNS.
- Configured and managed Amazon EKS for Docker orchestration and containerization, optimizing resource utilization and enhancing scalability of applications.
- Proficient in container technologies such as Docker and container orchestration tools like Amazon ECS, with experience in managing container clusters on AWS.
- Expertise in infrastructure as code (IaC) using tools like AWS CloudFormation for provisioning and managing resources on AWS.
- Implemented multi-factor authentication (MFA) between AWS and on-premises identity providers using AWS Single Sign-On (SSO) and AWS Identity and Access Management (IAM).
- Ensured high availability and disaster recovery of AWS resources using Elastic Load Balancing (ELB), Amazon S3, and Amazon Route 53 services.

- Implemented encryption solutions using AWS Key Management Service (KMS) and Customer Master Keys (CMKs) for data security in AWS.
- Created and managed user roles and permissions using AWS IAM for securing access to AWS resources and services.
- Automated deployment and configuration management tasks using AWS CloudFormation and AWS CLI, writing Bash and Python scripts for infrastructure automation.
- Utilized AWS Lambda and AWS Step Functions for serverless computing and event-driven architecture patterns on AWS.
- Leveraged AWS's monitoring and logging capabilities for performance optimization, troubleshooting, and auditing purposes.

**Client: Maveric Systems**

**May 2015 – Sep 2016**

**LINUX Administrator**

**Responsibilities:**

- Installation, Maintenance, Administration and troubleshooting of Red Hat Enterprise Linux and Solaris systems.
- Performed automated installations of Operating System using Kickstart for Red Hat Enterprise Linux and Jumpstart for Solaris Linux.
- Administered Linux servers for several functions including managing Apache/Tomcat server, mail server, MySQL database, SVN.
- Building of new servers which includes rack mounting, installation of OS, configuring of various OS-native and third-party tools, securing of OS, installing & configuring, job scheduling.
- Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes.
- Created and maintained the Shell deployment scripts for Tomcat web application servers.
- Working knowledge with shell scripting using BASH.
- Experience using YUM and RPM for package management.
- Red Hat Linux server administrator, including security patching, kernel tuning, RAID disk array management, software packaging and installation using RPMs.
- Extensive use of Perl & Bash shell for scripting.
- Used Ansible to keep in sync configuration on hosts running agents.
- Upgraded and maintained software packages on servers using RHEL Satellite and Repository servers.
- Build new Virtual machine and physical server.
- Monitored Hardware console for any hardware issues. Troubleshoot any operating system issues.
- Created Root Cause Analysis (RCA) for any server outages and server problems.
- Creating Change Controls, Resolving Incident Tickets and Problem Tickets and ability to multitask in a fast-paced environment under strict SLA and resolve Production Incidents with minimum impact.

**Client: GSI Commerce, Verizon, JDA Software**

**Sep 2004 – Apr 2015**

**Technical Lead**

**Responsibilities:**

- Worked as a Test Manager managing testing Team of 15 testers and providing and managing the testing services for development of multiple mobile apps for the factory.
- Working with Technical Project Managers and product owners to provide the Test estimations for mobile apps.
- Initiating Test design work activities and involving team members in preparing the Test Scenarios and Test cases for various testing types.
- Creating Test Strategy and Test Plans for the New Apps, Transitioned apps and localization apps
- Worked on various proposals enhancing the app testing by implementing the Risk Based Testing Strategy, Automation, Cloud Based tools.
- Standardized the Non-Functional Test Cases for reusing the test cases for execution of all factory applications.