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**Professional Summary**

* Over 12+ years of IT experience on **DevOps**, **WebSphere**, **DataPower**, and **Pega administration** that includes 11+ years of experience in IBM.
* Having 5+ years’ experience in **DevOps Engineer**, using various automation tools to oversee the end-to-end deployment process.
* Strong Experience automated build platforms/continuous integration using **DevOps architecture**.
* Experience in writing Terraform templates to maintain and manage various cloud infrastructure like AWS/Azure/GCP
* Expertise in configuring and optimizing cloud storage solutions (e.g., S3, Azure Blob Storage).
* Hands-on experience building solution in **GCP**.
* Experience with IAM policies(**GCP**).
* Deploy and maintain **CI/CD pipeline** across multiple environments.
* Hands on experience with version Control tools like **GIT**, **GitHub**, **Bitbucket** and **Gitlab**
* Experience with **Amazon AWS Cloud Services** like **EC2**, **EBS**, **S3**, **RDS**.
* Hands on experience with continuous integration tools like **Jenkins** and **Travis CI**.
* Implemented a Continuous Delivery pipeline with **Docker**, **Jenkins**, **GitHub**, **Maven** and **AWS**.
* Experience in configure **Sonar cube** for code integration with **Bitbucket/Gitlab**.
* Good Working knowledge of Build scripts like **shell script**.
* Creating, validating, and reviewing solutions and effort estimate of converting existing workloads from classic to ARM based Azure Cloud Environment.
* Designed, developed and deployed applications on to several cloud-based solutions using configuration Management tools like **Ansible**.
* Hands on experience **ANSIBLE** cluster with high availability solutions.
* Using **ANSIBLE** performed configuration management and remote execution.
* Experience in configure Management tools such as **Jira, Ansible/Puppet/Chef**.
* Worked on monitoring tools like **Nagios** and **New Relic**.
* Good Knowledge of using different protocols like **FTP, SSH, HTTP, HTTPS**.
* Extensively worked on Jenkins by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End-to-End automation for all build and deployments.
* Using **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** Containers.
* Deploying **Kubernetes** applications with Helm charts, expertise in creating **Kubernetes** config maps, ingress and services.
* Managing servers in multiple operating systems and platforms, working in physical and virtual servers, experience in public, private and hybrid clouds, hardware, infrastructure, and technical leading teams.
* Using Jenkins Manage and Build code with Authorization.
* Extensive experience using **ANT** and **MAVEN** as build tools for the building of deployable artefacts (jar, war & ear) from source code.
* Experience in Production support engineer providing **24/7 technical support** for middle-ware application servers.
* Strong Experience in **Amazon EC2** setting up instances**, VPCs**, and **security groups**.
* Creating **IAM** Users and Groups and Maintaining the users Access management and Permissions.
* Excellent working knowledge on various virtual systems/ like Docker, Virtual box technologies
* Hands-on in writing the **Docker files** for building images.
* Strong ability to troubleshoot any issues generated while **building, deploying and in production support**.
* Good experience in Application/Production support on UNIX environment.
* Managed Multi Clustered environments with large scale applications in multi operating systems environments – AIX, Linux and Windows NT/2000.
* Expertise in installing, configuring, managing and trouble-shooting **WebSphere Application Server** 6.x/7.x, **DataPower** v3.x/4.x, IHS and Apache web servers on various platforms.
* Automated using Jacl, Jython and Unix shell scripts for the maintenance process of the **WebSphere configuration**.
* **Upgraded WebSphere servers**, **Pega Servers** and **DataPower** appliances on different platforms by applying fix packs (refresh packs) and patches and involved in the migration of the applications from lower version of servers to higher version
* Good skills on **PRPC** debugging tools such as **Tracer**, **Clipboard** and System Management Application
* Responsible for creating pipeline jobs for new projects.
* Proficient in integrating enterprise-wide **J2EE applications** deploy **using Harvest Deploying** tool and propagate application deployment in various environments.
* Effectively managed the team as a Technical Team Lead, assisted team members in various critical issues and troubleshoot critical alerts
* Creating **DataPower Domains** and configuring the static routing.
* Importing and exporting the configuration from one appliance to other.
* ConfiguringMultiprotocol gateway and XML firewalls**.**
* Mule server maintenance and deployments.
* Strong experience in **Cognos Reports deployments**, and server maintenance.
* Highly time management, imitativeness, commitment and dedication in the delivery of work.
* Supported 24/7 on call schedule for Production support.
* Deployment of Enterprise Applications on **cluster level** and **Application server level**.

**Technical Skills**

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| **Server Software’s** | IBM WebSphere Application Server 6.0,6.1,7.0,8.5,IBM WebSphere Portal Server 5.1, 6.0, 6.1,IBM DataPower XI50,XI52,Cognos8.4,10.2,Pega Application Server 5.1,6.1 |
| **RDBMS** | DB2, Oracle, Cassandra, MangoDB |
| **Webservers & Scripts** | IBM Http Server 6.0,6.1,7.0 |
| **Operation System** | Linux, AIX, Solaris, Windows |
| **Ticketing Tool** | BMC Remedy 7.5 & 7.6, Service Now, ITSM |
| **Automation Frameworks** | Terraform and Ansible |
| **Monitoring Tool** | CA wily Introscope, Splunk, App Dynamics |
| **Version Control Tools** | GIT |
| **Build Tools** | ANT, MAVEN |
| **Artifactory Repositories** | JFrog |
| **Continuous Integration Tools** | Jenkins |
| **Continuous Monitoring Tools** | New Relic |
| **Cloud Services** | IBM Bluemix, AWS and Azure |
| **Languages/scripting** | Shell Scripting, Python, JSON, YAML, Java Script, Groovy, Bash, Perl, Ruby |
| **Container Services** | Docker |
| **Continuous Code Inspection** | SonarQube |

**Education:**

* **Master of Computer Applications** from **Bharathidasan University** in **2008**

**Professional Experience**

**Client : Charter Communications, US March,2023 – Present**

**AWS DevOps Engineer**

**Roles & Responsibilities:**

* Worked on **Azure** and **AWS environments**, **orchestrating cloud resources** and ensuring cost-efficient solutions.
* Created and maintained infrastructure using **Terraform**, enhancing scalability, and adhering to best practices.
* Deployed **Kubernetes** clusters to host containerized applications, optimizing resource allocation for performance.
* Utilized **Ansible** for configuration management and automation, streamlining server provisioning and application deployments.
* Managed **JFrog Artifactory** to securely store and distribute artifacts, improving software delivery processes.
* Implemented **Site Reliability Engineering (SRE)** principles, enhancing system reliability and availability.
* Experience on implementing Terraform and cloud formation templates as infrastructure as a code for **GCP**.
* Deployed microservices application on **GCP kubernetes** cluster.
* setup databases in **GCP** using RDS , storage using google storage bucket and configuring instance backups to google storage bucket.
* created monitors, alarms and notifications for EC2 instances using CloudWatch.
* used Terraform to set up GCP infrastructure like VPC,subnets,GCP storage buckets,GCP composer,secret manager etc..
* Defined service-level objectives (SLOs) and service-level indicators (SLIs) for proactive monitoring and performance improvements.
* Designed and maintained CI/CD pipelines, automating software delivery and enabling smooth deployments.
* Worked on disaster recovery planning, ensuring data and system availability in case of failures.
* Collaborated with security teams to enforce best practices, ensuring compliance with industry regulations.
* Implemented **Identity and Access Management (IAM)** controls and followed least privilege principles.
* Documented processes, configurations, and best practices to maintain a knowledge base.
* Diagnosed and resolved infrastructure and application-related issues, reducing downtime.
* Monitored resource utilization and planned capacity expansion as needed.
* Collaborated effectively with cross-functional teams to foster a DevOps culture and enhance communication.
* Automated routine tasks using **Python, Shell, or PowerShell**, improving operational efficiency.
* Evaluated and recommended DevOps tools and technologies to enhance productivity.
* Proficient in Docker, creating and managing containers for efficient application deployment.
* Skilled in Git for version control, facilitating code collaboration and branching strategies.
* Knowledgeable in Puppet and Chef for configuration management, ensuring consistency in server configurations.
* Implemented infrastructure monitoring and log management solutions, utilizing Prometheus, Grafana, ELK Stack, or Splunk.
* Familiar with serverless computing on **AWS Lambda** and **Azure Functions**.
* Proficient in network and **security fundamentals, configuring firewalls, VPNs, and ACLs to enhance system security.**
* Skilled in managing both **SQL** and **NoSQL** databases for data storage and retrieval.
* Experienced in orchestrating multi-cloud deployments for portability and redundancy.
* Familiar with **Agile** and **Scrum methodologies** for adapting to changing requirements and priorities.
* Capable of load balancing and traffic management techniques for efficient workload distribution.
* Knowledgeable in **single sign-on (SSO)** solutions and identity provider management for secure authentication.
* Proficient in integrating and **configuring Jenkins, SonarQube,** and **Nessus** for monitoring, security, and compliance.
* Worked in **cloud-native application** development and **microservices architecture** patterns.
* Skilled in infrastructure automation for testing environments, including infrastructure provisioning and teardown.
* Ensured Infrastructure as Code (IaC) best practices, versioning, and thorough testing.
* Managed access to cloud resources, enforcing IAM policies, and auditing permissions.
* Collaborated with development teams to optimize application performance and troubleshoot issues.
* Implemented continuous improvement practices through **post-incident reviews (PIRs)** and **root cause analysis (RCA)**.
* Worked on load balancing solutions to distribute workloads efficiently across servers and regions.
* Writing Terraform scripts to manage **AWS infrastructure**.
* Support development teams to resolve pipeline issues.
* Manage users in Jenkins and other tools.
* Maintaining Jenkins and writing scripts to automatically start the Jenkins agent on logon.
* Worked on Bit Bucket like creating different branches such as develop, release, and feature branches.
* Experience in Jenkins to automate most of the build related tasks. Expertise in staging and creating CI/CD
* pipelines and Merge changes through SDLC pipeline Jenkins and Continuous Integration.
* Integrated Jenkins with various DevOps tool like Ansible and used CI/CD system of Jenkins on Kubernetes
* container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
* Worked with Agile methodology in **XL Deploy** and **XL Release, CI/CD automation** from **scratch, Docker, Openshift.**
* Configured **Apache webserver** in the Linux AWS Cloud environment using Puppet automation.
* Used **Terraforms** to launch **EC2** instances by writing a configuration file and destroy them if not required.
* Deploying code to pre-production environment and running the smoke and functional tests.
* Involved in release activities and build promotional activities.
* Used the JIRA, Confluence for bug tracking, creating the dashboard for issues.
* Collaborate with Engineers, Operations and other teams to ensure application, network and system monitoring best practices.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Python and Shell scripts to automate routine jobs.
* Created, managed Kubernetes objects like pods services, namespaces, applications and replication sets, deployments using the Y**AML**.
* Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
* Troubleshot and resolved issues related to application deployment, containerization, and infrastructure and management on the **OpenShift platform**.
* Implemented automation for deployments by using **YAML** scripts for massive builds and releases.
* Deployed built artifacts to Web Logic application server using **Maven**.
* Managing Maven project dependencies by creating parent-child relationships between projects.
* Create and maintain documentation for DevOps processes and procedures.
* Helped in day to day troubleshooting of services to formulate new ways to proactively catch problems.
* On call support to resolve DevOps issues.

**Environment:** AWS, Puppet, Terraform, Jenkins, Ansible, Kubernetes, GIT, WebSphere, Solaris, Jira, Linux, Web Logic, Python, Shell scripts, Bitbucket, Jenkins, Kubernetes, Docker, JIRA, Terraform, Ansible, AWS..

**American Express July,2019 – Feb,2023**

**AWS DevOps Engineer**

**Project Description:**

**Roles & Responsibilities:**

* Worked with scripting language like **Shell Scripting**, and **Python**.
* Deploy and maintain **CI/CD pipeline** across multiple environments.
* Working on source control tools like **Tortoise SVN, GIT, GITHUB**
* Containerizing applications with Docker. Responsible for managing the Docker private registry.
* Implemented Docker to set up local Development environment
* Experience in configure **Sonarcube** for code integration with **Bitbucket/Gitlab**
* Created Docker files and build images and push to the **Docker private registry**
* Set up the local development environments through **Docker containers** for new developers
* Experience in configure Management tools such as **Jira, Ansible/Puppet/Chef**.
* Proficient in deploying and managing **Kubernetes** clusters.
* Experience in DevOps Engineering in automating, building and deploying of code with in different environments (Dev, QA, and Prod).
* Supported development sprints by automating instance provisioning using cloud formation and code deployments using **Jenkins,** and **Git hub**.
* Managing serversin multiple operating systems and platforms, working in physical and virtual servers, experience in public, private and hybrid clouds, hardware, infrastructure, and technical leading teams.
* Using **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** Containers.
* Involved in Installing **Jenkins** on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Used Jenkins for **Continuous Integration** and deployment into Tomcat Application Server.
* Created users, repositories, branching, tagging, patch fixes, pull request, and trained users on the **Git version control system**.
* **Monitored** the automated build and continuous integration process to ensure correct build execution, and facilitate resolution of build/ release failures.
* Performed build and release of all software cycles engineering, test, production, update, patches and maintenance.
* Experience in designing, building, maintaining and coordinating an automated build/ release from development to production environment that also satisfies the internal audit and compliance.
* Performed **build and release** of all software cycles engineering, test, production, update, patches and maintenance.
* Set up of Application environment which includes installation of products like Apache Tomcat server on UNIX, Linux and Windows platform.
* Installed, configured and administration of Tomcat and Wildfly Application Server Network Deployment on Linux, UNIX and Windows Server.
* Designing and implementing fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including **Jenkins, Docker, Ansible, SSH, Amazon EC2** and packaging, deployment and testing.
* Designed, Installed and Implemented **Ansible configuration** management system
* Working on source control tools like **GIT , GITHUB**
* Deployment activities in production Importing the. Jarand. Zipproduct files in **Pega** Designer Studio.
* Expertise in integration with multiple external systems using services and connectors.

**Express Script Jan,2011 – June,2019**

**Web Middleware Administrator/EAM-Leveraged Ops**

**Roles & Responsibilities:**

* Installing, configuring and maintaining webservers like IBM HTTP Server, and Apache on diverse UNIX platforms- AIX, Solaris and Linux.Installed, configured and troubleshoot the applications on **WebSphere Application Server** 6.x/7.x and **Pega applications** in clustered environment.
* Deployment of Enterprise Applications on cluster level and Application server level.
* Installed configured **DataPower appliances** in clustered environment and enabled probe for syslog to troubleshoot the web service issues.
* Installed and Configured the **WAS Network Deployment Manager**, IHS and Plug-in using response file.
* Installed fix packs and refresh packs for **WAS using Update Installer**.
* Used **Tivoli Performance Viewer**, **Wily Introscope** and Log Analyzer for **performance tuning** and **troubleshooting**.
* Tuned the **JVM**, **web container**, **db connection pool**, and web server parameters to get the maximum performance for applications.
* Configured WebSphere resources including **JDBC providers**, **data sources** and connection pooling.
* Configured the session management and **virtual hosts** for WebSphere Application Servers.
* Securing WebSphere console by configuring **LDAP** Sever with **LDAP** User registry
* Responsible for all Administrative tasks including WebSphere Application Server domain configuration which includes components like WebSphere Application server, IHS web server.
* Looking for client questions/requests in tickets and ensure they get followed up on promptly.
* Ensuring that warnings generated by **monitoring** are responded to in a timely manner.
* Installed IBM HTTP Server on different nodes and configured them by generating the **plug-in**.
* Responsible for **deploying**, **monitoring** application, log files and provided information to the developers.
* Federated multiple nodes to a **deployment manager**.
* Involved in Creating and Managing the Nodes, Application Server’s and Clusters.
* Trouble shooting various problems in different stages of development using logs files.
* Expertise in integration with multiple external systems using services and connectors.
* Strong experience in **Cognos Reports deployments**, and server maintenance.
* Application deployment and troubleshooting.