Dasthagir Syed

DevOps / Cloud Engineer

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**Summary**

10+ years of and knowledge experience in IT as an DevOps Engineer (Build/Release and Automation) / Cloud engineer / Software Engineer dedicated to configuration management, development, deployment and involved in operating the infrastructure automation platform and evolving software systems to increase their reliability, monitoring application performance, and ensuring overall system health. Knowledgeable about troubleshooting, implementation, and ongoing operation of complex systems in collaboration with solid teams.

* Work on an Agile team developing **REST APIs**to support an agent internal operations tool.
* Experienced in all phases of the **software development life - cycle (SDLC)** with a specific focus on the build and release of the quality software. Experienced in Waterfall, Agile/Scrum and most recently **Continuous Integration (CI) and Continuous Deployment (CD)**practices.
* Experience in administering & automating Solaris & Linux. Experience in **Automation, Installation, Configuration, Backup, Recovery, Maintenance, Support of Linux (Ubuntu, CentOS, RHEL).**
* Excellent experience in documenting and automating the build and release process.
* Used Stack Driver and **AWS cloud** monitoring extensively to monitor and debug the cloud-based **AWS EC2 services.**
* Deployed **Azure**IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
* Deployed **Azure**resource manager-based resources.
* Implemented Security in Web Applications using **Azure**and deployed Web Applications to **Azure**.
* Familiar using Dependency Visualization in **Azure** migrate for deep analysis and identify application dependencies.
* Worked with Client team to build flow diagram for existing Training environment.
* Did pilot migration of Dev/Test workloads via lift & shift to**Azure** using Azure Site Recovery.
* Hands on experience in using version control tools like **Subversion (SVN), GIT, GitHub and Bitbucket.**
* Extensively worked on **Jenkins** for **continuous integration** and for End-to-End automation for all build and deployments.
* I was created **Jenkins** Pipelines using Groovy script to automate the process to deploy.
* Extensively used build utilities like **Maven, ANT** and Gradle for the building of .**jar, .war and .ear files.**
* Experience setting up **Azure** Migrate and ASR servers using OVF templates in the On-premise vCenter host.
* Skilled enough to build deployment, build scripts and automated solutions using scripting languages such as **Shell, Python, Ruby, Perl**etc.
* Experience in using **Nexus Repository**Manager for Maven builds.
* In-depth understanding of the principles and best practices of **Software Configuration Management (SCM).**
* Designed and implemented fully automated server build management, monitoring, and deployment by using **Ansible playbooks and Modules.**
* Worked with **Ansible Playbooks** for virtual and physical instance provisioning, Configuration management, patching, and software deployment.
* Good experience in automating **CI and CD pipelines.**
* Worked on provisioning different environments using **Chef, Puppet,**and other Configuration management tools.
* Server provisioning, automation (Puppet/Chef/Ruby), maintenance and performance tuning Hands-on experience in installing and administrating CI tools like **Hudson/Jenkins, Team city,** **Bamboo**and ALM tools like Anthill Pro and TFS.
* Used **Puppet**and **Chef**for Configuration Management tool.
* Automation using Puppet and involved in developing Manifest and Modules for System and Application Configuration Management.
* Implemented multi-tier application provisioning in **AWS,** Openstack cloud and integrating it with **Chef/**Puppet.
* Experience integration of **Kafka**with Spark for real time data processing.
* Integrated **Kafka**with Flume in sand box Environment using **Kafka** source and **Kafka** sink.
* Experience in implementing Nginx as ingress controller on **Kubernetes**.
* Experience and knowledge in orchestrating **Kubernetes**cluster on GCP and private cloud.
* Worked on installation of**Docker** using Docker toolbox. Server setup and nginx including F5 load balancing.
* Worked with OpenShift platform in managing **Docker** containers and **Kubernetes** Clusters
* Hands on experience in using version control tools like **Subversion (SVN), GIT, GitHub and Bitbucket.**
* Experience in implementing Horizontal Pod Autoscaler on **Kubernetes**.
* Coordination experience with various teams like **Dev, QA and Production Operations.**
* Expertise in Amazon Cloud Services and its features **(AWS EC2, VPC, EBS, AMI, snapshots, Auto scaling, Cloud Formation, Lambda, SES, SQS, SNS, RDS, ELB, EBS, Cloud Watch, S3 etc.).**
* Expert level knowledge on Cloud **AWS & Azure Services.**
* Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining and **troubleshooting EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS).**
* Experience in running web-scale services on **Amazon Web Services.**
* Experience in Managing **HTTP Watch, Fiddler.**
* Experience in using bug tracking systems like **JIRA, Remedy, and HP Quality Center.**
* Experience in monitoring tools like **Nagios, Splunk and Syslog.**
* Worked with **IaaS**(Infrastructure as a Service),**SaaS**(Software as a Service)**, PaaS (Platform as a Service)**and solutions.
* Implemented **Terraform** modules for deployment of various applications across multiple cloud providers and managing infrastructure.
* Implemented monitoring with **Grafana**visualisation infrastructure in Kubernetes cluster • Created images in docker and deployed applications in docker container
* Perform real-time system monitoring, traffic tracking and trend analysis using Network Management Tools (e.g. **Splunk, SiteScope, Insight Manager, Open View, SolarWinds**), analysis systems, and Cisco IOS commands.
* Monitoring of Infrastructure using **Kibana, Cloud watch** and **Grafana.**
* Expertise in Java and Web driver and Grid for implementing regression automation using Selenium.

**Technical Skills**

* Cloud Platforms: Azure, AWS & GCP
* Linux, Windows
* Data Storage and Retrieval
* ﻿﻿Object-Oriented Programming
* ﻿﻿Agile/Scrum Methodology
* Java, C#, Net, Python
* Oracle, MongoDB
* ﻿﻿Code and Quality Standards
* ﻿﻿RDMS Development and SQL
* Github, Bitbucket, GitLab
* Jenkins/Maven
* ﻿﻿DevOps (CI/CD)
* ﻿﻿Kubernetes/Docker/ Amazon ECS
* ﻿﻿Puppet /CFT/ Ansible/Terraform
* Shell, Groovy, Python, HTML, CSS.
* ﻿﻿Weblogic
* Splunk, DataDog, Cloud Watch
* JIRA, Confluence, Service Now.
* SDLC Management, Change Management.

**Professional Experience**

**Devops Engineer/SRE July 2023 to Present**

**Fujitsu**

Functioned as one of the lead engineers for Fujitsu Information Security Team. Supported several applications with diverse operating systems and supported projects for acquiring new technologies. Played a crucial role in ensuring the reliability, performance, and scalability of an organization's infrastructure.

* Implement and manage CI/CD pipelines using AWS CodePipeline, AWS CodeBuild, Jenkins, or other CI/CD tools to automate application deployment and testing.
* Use tools like AWS Systems Manager, Ansible, or Puppet for configuration management and to ensure consistency across AWS environments.
* Manage source code repositories using AWS CodeCommit, GitHub, or Bitbucket.
* Designed and implemented Confidential secure DaaS solution leveraging AWS Workspaces.
* Utilize AWS CodeArtifact or other artifact management tools to store and manage software artifacts generated during the build process.
* Leverage AWS Lambda for serverless computing to execute functions without managing servers.
* Implement security measures following AWS best practices, including IAM (Identity and Access Management) configurations, encryption, and network security.
* Set up monitoring and logging solutions using AWS CloudWatch, AWS X-Ray, or third-party tools to track the health and performance of applications and infrastructure.
* Manage container orchestration with Kubernetes, using Amazon EKS (Elastic Kubernetes Service) or self-managed Kubernetes clusters.
* Understanding of AWS networking concepts and experience configuring VPCs, subnets, and route tables.
* Experience in AWS services such as EC2, ELB, Auto - Scaling, IAM, VPC, S3, RDS, Dynamo DB, Lambda, Cloud Watch, SNS, Cloud Formation, AWS Workspace.
* Optimize AWS costs by implementing cost-effective solutions, leveraging reserved instances, and monitoring resource usage.

**DevOps Engineer (Build & Release) June 2021 to June 2023**

**BlueShield of California**

Code Reviews and Quality Assurance, Release Management, Defining and implementing best practices for SCM, including proper repository structure, commit message guidelines, and code organization. Educating and training developers on SCM best practices to ensure consistency and efficiency across the organization.

* Creating and maintaining Jenkins pipeline scripts using declarative or scripted syntax. Defining stages, steps, and integrations to orchestrate the complete software delivery process.
* Created E1 Test and E2 Test environments for Unit, sanity, functional and performance testing, replicated all applications in OpenShift.
* Setting up and configuring build tools, such as Maven, Gradle, or Ant, within Jenkins. Defining build configurations, dependencies, and artifacts to streamline the build process.
* Configuring AWS workspaces for prod, test and dev environments on different VPC and subnet
* Integrating code quality analysis tools, such as SonarQube into Jenkins pipelines. Configuring and executing unit tests, integration tests, and other types of automated tests as part of the CI/CD process.
* Implement security best practices, such as role-based access control (RBAC) and credentials management. Set up monitoring and alerting for Jenkins and its components. Integrate Jenkins with logging and monitoring tools to track pipeline execution, failures, and performance.
* Automate the provisioning, configuration, and deployment of APIM resources using tools like Azure Resource Manager templates, Azure DevOps, or other CI/CD pipelines.
* Use tools like Azure Resource Manager (ARM) templates, Terraform, or Azure Bicep to define and manage infrastructure as code for Azure resources.
* Deploy and manage containerized applications on Azure Kubernetes Service (AKS) or other Kubernetes clusters.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Worked on container-based technologies like Docker, Kubernetes and OpenShift.Point team player on OpenShift for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside.
* Set up monitoring and logging solutions using Azure Monitor, Application Insights, and other Azure services.
* Managing the OpenShift cluster that includes scaling up and down the AWS app nodes.
* In depth experience on SaaS, PaaS, and IaaS concepts of cloud computing and Implementing using, Azure, Google Cloud Platform (GCP) understanding the principles of (SCM) in Agile, Scrum, and Waterfall methodologies.
* Integrating SCM with CI systems, such as Jenkins or GitLab CI/CD, to enable automated build and testing processes. Configuring and managing CI pipelines to trigger builds, run tests, and produce artifacts upon code changes.

**DevOps Engineer (Build & Automation) Feb 2019 to June 2021**

**BlueShield of California**

Infrastructure provisioning and configuration management, Puppet module development, Continuous integration and deployment (CI/CD) and Build Automation, Troubleshooting and performance optimization.

* Automating the deployment and management of WebSphere applications using Puppet. Defining Puppet manifests and modules to handle the installation, configuration, and updates of WebSphere applications, including application EAR/WAR file deployment, configuration file management, and application server configuration.
* Managing the configuration of Facets and WebSphere resources using Puppet. Defining desired states for Facets and WebSphere configurations and ensuring that the configurations are consistent and compliant across the infrastructure.
* Managing the OpenShift cluster that includes scaling up and down the AWS app nodes.
* Creating and maintaining Puppet modules to automate the installation, configuration, and management of various software components and services. This includes writing Puppet code, testing and validating modules, and integrating them with existing infrastructure.
* Worked on Google Cloud Platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Integrating Puppet with CI/CD pipelines to enable automated deployment of infrastructure changes. This involves configuring and managing version control systems, triggering Puppet runs upon code changes, and ensuring smooth and reliable deployments across different environments.
* Monitoring and addressing configuration drift by regularly comparing the actual state of infrastructure with the desired state defined in Puppet manifests. Identifying and resolving inconsistencies or unauthorized changes to maintain infrastructure compliance and stability.
* Worked with Terraform Templates to automate the Azure Iaas virtual machines using terraform modules and deployed virtual machine scale sets in production environment.
* Familiar in Migrating the Legacy application into GCP platform and managing the GCP services such as Compute Engine, Cloud Storage, Big Query, VPC, Stack Drive, Load Balancing and IAM.
* Create Windows Virtual Desktop Host pools for different Environment in multiple Region process using VDC/Arm Template/DevOps-pipeline and Build Custom OS Image for All Host pools thru Azure Portal.
* Worked with RedHat OpenShift Container Platform for Docker and Kubernetes, used Kubernetes to manage containerized applications
* Implementing Infrastructure as Code principles using Puppet Enterprise. Defining infrastructure configurations and desired states using Puppet's declarative language to ensure consistent and repeatable deployments.

**Cloud Engineer Jan 2018 to Feb 2019**

**Deloitte Consulting**

Setting up the infrastructure and managing services based on the changes planned for various clients. Automating the smaller components of infrastructure based on the requirements. Tracking and fixing the issues if any occurred on the production environment by using the ticketing tool.

* Managing and automate all aspects of AWS Cloud Infrastructure (Compute, Storage, Network, Permissions) using configuration management tools.
* Deployment of applications, DB upgrade and Apache module using Puppet manifests.
* Integrating Puppet with other automation tools, such as Ansible, Jenkins, or Terraform, to create comprehensive and efficient automation workflows. Leveraging Puppet's capabilities to enhance the overall automation strategy within the organization.
* Setting up monitoring and alerting mechanisms to track the health and performance of Puppet infrastructure, detect issues, and take proactive measures to maintain system availability and reliability.
* Help Manage customer’s Azure Virtual Data Center using Hub & Spoke Model with VDC
* Set-up databases in GCP prototype using CI/CD system wif GitLab on GKE utilizing Kubernetes and Docker for the runtime environment for the CI/CD systems to build and test and deploy.Designed the project workflows/pipelines using Jenkins for Continuous Integration and deployment into different Web/Application Servers.
* Optimized the environment to ensure maximum performance by Off-loading Database Workload and Pre-warming EBS Volumes and the Elastic Load Balancer.
* Provisioned cloud resources and managed implementation automation using AWS Ops Works and automation scripts for EC2 snapshots.

**Cloud Engineer Jan 2016 to Dec 2017**

**Mastercard**

Working with complex java-based applications to upgrade it to newer version with help of configuration management tool puppet and also, migrated the applications to AWS cloud.

* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using puppet.
* Experienced in Setting-up puppet Master, client and wrote scripts to deploy applications on Dev, QA, and production environment.
* Managed puppet agents on multiple nodes and added all the nodes to master and managed various node groups.
* Used Puppet server and workstation to manage and configure nodes.
* Good understanding of profiles, modules, Hiera, resources etc in puppet. Installed many modules from Puppet Forge, helped teams in creating basic modules.
* Developed automation scripting in Python (core) using Puppet to deploy and manage Java applications across Linux servers.
* Responsible for designing and implementing continuous integration system using Jenkins by creating Python scripts.
* Implemented and designed AWS virtual servers by Ansible roles to ensure deployment of applications.
* Developed business APIs using Stateless Session Beans for accessing data from the database. Used Collection framework in developing the APIs.

**System Administrator Feb 2015 – Dec 2015**

**University of Arkansas at Little Rock**

* Involved in Installing, Configuring and Upgrading of RedHat Linux AS 4/5, Solaris 9/10 operating systems.
* Installed and configured JBoss application server on various Linux servers.
* Defined and maintained disaster recovery plans.
* System administration, maintenance and monitoring various day-to-day operations.
* Package management using RPM and YUM.
* Automated some jobs by deploying the CRON tool for job scheduling processes.
* Monitored the Linux servers on a regular basis and was into tuning them accordingly in order to optimize performance.
* Monitored Linux server for CPU Utilization, Memory Utilization, and Disk Utilization for performance monitoring.
* Administer user accounts on all servers, configure user profiles, troubleshoot and resolve user login problems.

**Java Developer March 2012 – Sep 2014**

**UBS**

* Development of Java interfaces & Configuration Management of the source code.
* Working with users to establish requirements and determine priorities.
* Analyzing data and conducting compatibility and quality assurance testing.
* Identifying & addressing conflicts with newer client-implemented software.
* Investigating alternate configurations & implementing better solutions.
* Designing, developing, testing & configuring for a custom pre-authenticated scenario.
* Designed a customized Status Reporting tool used currently, based on the specific requirements using J2EE/ Struts and Websphere Application Server with DB2 as Database.

**Certifications**

* **AWS Certified Solutions Architect (Associate)**

**Education**

**University of Arkansas at Little Rock**

Master’s Degree, Information Quality

Activities and Societies: Member of IAIDQ (International Association for Information and Data Quality)

**Osmania University**

Bachelor of Engineering (B.E.), Information Technology.