**DINESH M**

[**dinesh.awsdevops486@gmail.com**](mailto:dinesh.awsdevops486@gmail.com)

**PH : 623 237 9231**

**SUMMARY**

* Around 11 years of experience in IT Industry with ability to accomplish all aspects of the software configuration management (**SCM) process, AWS, DevOps, and Build/Release** management
* Experienced in **AWS Cloud IaaS platform with features EC2, VPC, ELB, Auto-Scaling, Security Groups, Route53, IAM, EBS, AMI, RDS, S3, SNS, SQS, CloudWatch, CloudFormation, CloudFront, &Direct Connect**
* Used **Kubernetes** to deploy **scale, load balance, scale and manage Docker** containers with multiple namespace versions
* Experienced in writing kubernetes yaml files for deployment of **Micro services into Kubernetes**
* Deployed and managed Sterling-related tools, including Sterling integrator, **SSP, ICC on OpenShift and Kubernetes**
* Created load balancers and implemented autoscaling for all the applications deployed on **OpenShift, ensuring scalability** and high availability
* Expertise in Application Deployments & Environment configuration using **Ansible, Terraform**
* Used **Amazon CloudWatch** to monitor the application performance and used the logs to identify any threshold limits
* Prototype **CI/CD** system with **GitLab, Glue, Jekins on EKS utilizing Kubernetes and docker** for the runtime environment for the setting up data in **AWS using S3 bucket** and configuring instance backups to **S3 bucket**
* **Brilliant in Amazon AWS Cloud Services including EC2, S3, EBS, ELB, Cloud Watch, CloudFormation, Route53, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, and managing security groups on AWS.**
* Good exposure in administering version control systems like **bitbucket, GitHub**
* Expertise in using build tools like MAVEN for the building of deployable artifacts such as war & jar from source code
* Experienced in installing, configuring, modifying, testing, and deploying applications on **Apache Webserver, Nginx,** and Application servers such as **Tomcat, JBoss**
* Extensive experience in working with various teams such as **QA, Engineers**, and other teams to ensure automated test efforts are strongly integrated with the build system
* Monitored the servers & applications using **AppDynamics and Splunk**
* Experienced in maintaining and analyzing log files using **CloudWatch, Nagios, Splunk and Logstash**
* Strong Experience in **implementing** Data warehouse solutions in **Confidential Redshift**; Worked on various projects to migrate data from on premise databases to Confidential **Redshift, RDS and S3.**
* **Experience with Terraform to build infrastructure as a code.**
* **Ability to grasp latest technologies and to properly apply new tools to build applications**
* Responsible for building scalable distributed data solutions using **Big Data** technologies like **Apache Hadoop, Spark, Drools and Scala**
* Building/Maintaining **Docker** container clusters managed by **Kubernetes Linux, Bash, GIT, Docker, on AWS.**
* Skilled with **Python, Bash/Shell, PowerShell, Ruby, Perl, PowerShell, JSON, YAML, Groovy.** Developed Shell and Python Scripts used to automate day to day administrative tasks and automation of the build and release process.
* Proficient in scripting languages like **Shell**, **Python**, **Ruby**, **Power Shell**, **Bash**, **YAML**, **Groovy** scripts.
* Expert in using **source code** version tools like **Subversion**, **Git** on **LINUX,** and **Windows** environment.

**CERTIFICATIONS**

* **AWS Solutions Architect**

**SKILLS**

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| **Operating Systems** | **RHEL/CentOS 5.x/6.x/7, Windows Server** |
| **Cloud Technologies** | **Amazon Web Services (IAM, S3, EC2, VPC, ELB, Route53, RDS, Auto Scaling, Cloud Front)** |
| **Configuration Management Tools Build Tools** | **RHEL/CentOS 5.x/6.x/7, Windows Server**  **MAVEN** |
| **Automation Tools** | **Languages Shell, Bash, and Python scripting ,yaml, Spark, Bash, Groovy and Python** |
| **Databases** | **MySQL, Oracle 19C, Lambda, Glue, Dynamo DB, Hadoop, AWS RDS** |
| **Web/App Server** | **Apache, Tomcat, WebSphere Application Server, Apache HTTP, Nginx,** |
| **Agile Tools** | **JIRA, ServiceNow, Scrum, waterfall** |
| **SCM Tool** | **GIT, Bit Bucket , SVN, GIT, CVS, GitLab,** |
| **CI Tools** | **Jenkins, CICD, AWS Devops tools, Splunk, windows PowerShell** |
| **Devops Tools** | **Jenkins, Docker, Kubernetes, Groovy, OpenShift, GitHub, Splunk, Docker Swarm,** |
| **Infrastructure** | **Nexus** |
| **Monitories tools** | **AWS CW, Nagios , Cloud Watch, ELK Stack, Grafana** |

**EXPERIENCE**

**Client : FedEx, Atlanta, GA Jun 22 – Present  
Role : AWS/ Devops Engineer**

**FedEX , we have provided the complete infra structure and deployment, configurations for IBM B2BI application for both Melt & Webhook project in IBM and on VM servers, End to End MFT applications installation & configuration in OpenSHi. Support 24/7 in case of any failures.**

* Worked on **Redhat OpenShift** platform and **Kubernetes** to deploy and manage containerized applications
* Designed **AWS** **Cloud Formation** templates to create customized **VPC**, **subnets**, **NAT** to ensure successful deployment of Web applications and database templates.
* Write Helm charts to automate application deployments and manage dependencies
* Utilize AWS cloud services to ensure high availability and scalability of applications
* Utilize Kubernetes and OpenShift to create and manage clusters, upgrade worknode, manage RBAC and perform cluster management actives
* Deployed **Ansible playbooks** in **AWS** environment using **Terraform** as well as created **Ansible** roles using **YAML**. Used **Ansible** to configure **Tomcat** servers and their maintenance.
* Create the name s**paces, node setup, cluster setup in Kubernetes cluster.**
* Deployed and managed Sterling-related tools, including Sterling **integrator, SSP, ICC on OpenShift and Kubernetes**
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing directory structures and managing containers. Created packages in containers and committed those containers using both **Docker** file and **Docker** commit command and updated them into **Docker** registry.
* Created load balancers and implemented autoscaling for all the applications deployed on **OpenShift**, ensuring scalability and high availability
* Used Kubernetes to manage containerized applications using its **nodes, Config Maps, Selector, Services**, and deployed application containers as Pods
* Provide support to clients for issues related to application deployment, performance and user experience.
* Designing and developing technical solutions to meet customer needs and business goals
* Troubleshoot issues and perform root cause analysis to prevent reoccurrence.
* Create and maintain documentation for process and procedures related to application deployment and management.

**Environment:** AWS, OpenShift, Docker, Kubernetes,jarvis,Python, Bash, Groovy, cluster, Terraform ,Docker, Lambda, Ubuntu Linux, Git, Gitlab, Ruby,Terraform, Ansible, Jenkins, Tomcat, Mysql. Cloud watch.

**Client *:* Master Card, Hyderabad, India Apr ’18 – May ‘22  
Role : AWS/ Devops Engineer**

**We have provided the infra structure for Master payment services. Automated payment services in CI/CD, integrated application services. Monitoring the application services server instances.**

* Leveraged AWS cloud services such as **EC2, auto-scaling and VPC to build secure, highly scalable,** and flexible systems that handle expected and unexpected load bursts
* Implemented **AWS solutions** using **EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.**
* Build and configure a virtual data center in the **Amazon Web Services cloud** to support Enterprise Data Warehouse hosting including Virtual Private **Cloud (VPC)**, Public and Private Subnets, **Security Groups, Route Tables, Elastic Load Balancer**
* Experience in using Cloud foundry (CF) CLI for deploying applications and other CF management activities
* Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup
* Maintained the user accounts **(IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud**
* Cloud Migration forConfidential ’sexisting Surveillance Pattern application migration from Oracle On-Premises to AWS Cloud system using AWS services like VPC,EMR,S3 and Big Data analytic tools
* Serverless deployment automation and CI/CD pipeline with Jekins
* Experience in alert handling, standard availability, and performance report generation. Experience in root cause analysis of post-production performance related issues through Splunk tool
* Experienced in organization of uses on Apache Web server, Nginx, Lambda, JBOSS, WebLogic and Web Sphere Applications
* Manage **AWS EC2** instances utilizing **Auto Scaling,** Elastic Load Balancing and Glacier for our **QA** and **UAT** environments as well as infrastructure servers for **GIT**
* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, **GIT with Dev/Test/Prod Branching Model for weekly releases**
* Created monitors, alarms, and notifications for **EC2** hosts using Cloud Watch
* Responsible for building out and improving the reliability and performance of Cloud applications deployed on Amazon Web Services
* Leveraging **AWS SDKS** to interact with **AWS services** from your application.
* Experience with the cloud versions of **JIRA, Confluence, and Bitbucket Pipelines**
* Migrated applications to the AWS cloud. Involved in DevOps processes for build and deploy systems
* Troubleshoot the automation of Installing and configuring applications in the test environments
* Daily routine is to deploy the code to the lower environments, automating the deployment
* Responsible for coordinating the Offshore and Onsite team and resolve all the issues faced by the team

**Environment:** AWS Cloud (EC2, VPC, ELB, S3, Groovy, RDS, Glue, Lambda, Cloud Trail and Route 53) CI/CD, Bash Scripts, Jira, Maven, Git, cluster, Terraform ,Docker, Lambda, Ubuntu Linux, Git Cloud Watch.

**Client : Office Depot, Hyderabad, India. Aug ’16 – Mar ‘18**

**Role :: Sr. Devops Engineer**

**Deployment & configuration of the ERP application in Kubernetes cluster environment, Created AWS CFI for instance, VPC creation in different domains and continuous monitoring the services. Migrating services from on-premises to AWS.**

* Worked on Terraform templates to create custom sized **VPC, subnets, EC2** instances, **ELB,** security groups. Worked on tagging standard for proper identification and ownership of EC2 instances and other **AWS Services** like **Cloud Front, Cloud Watch, RDS, ELB, EBS, S3, glacier, Route53, SNS, SQS, Lambda, KMS, Cloud Trail, and IAM**
* Automated the installation of **Cloud Watch** log agents through Cloud formation template to monitor the system logs of multiple **EC2** instances
* Worked on the Kubernetes to deploy **scale**, load balance, scale and manage **Docker** containers with multiple namespace versions
* Drafted and executed **Perl, Bash Maven scripts** in **QA, Staging and Production environments.** Modified build configuration files including **POM.xml**
* Migrating Services from On-premises to **AWS Cloud Environments**
* Deployed java applications to application servers in agile continuous integration environment and automated the whole process and maintained **GIT HUB** in processes of branch management
* Orchestrated and migrated **CI/CD** processes using **Cloud Formation, terraform templates** and containerized the infrastructure using **Docker setup in Vagrant, AWS, and Amazon VPCs**
* Developed Agile processes using **Groovy, JUnit** to use continuous integration tools Worked for designing
* Wrote Ansible playbooks to setup Continuous Delivery pipeline and this primarily consists of a **Jenkins and Sonar server**, the infrastructure to run these packages and various supporting software components such as Maven
* Building/Maintaining Docker container clusters managed by **Kubernetes, Linux, Bash, GIT, Docker, on GCP. Utilized Kubernetes** and **Docker** for the runtime environment of the **CI/CD system to build, test deploy**
* Created inventory in Ansible for automating the continuous deployment and wrote playbooks using **YAML scripting**
* Worked on Continuous Integration **CI/Continuous** Delivery (CD) pipeline for **AWS Cloud Services using Marv**
* Worked with **Docker** containers infrastructure and Continuous Integration for building and deploying **Docker** containers
* Created a Jenkins pipeline to drive all micro services builds out to **Docker Hub** and then deployed to **Kubernetes**, created pods, and configured **Kubernetes** Replication controllers
* Configured Apache Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects and environments
* Developed Ansible Playbooks to simplify and automate day-to-day server administration tasks.
* Regularly built Jenkins builds and delivered to Artifactory

**Environment:** Amazon Web Services, IAM, S3, RDS, EC2, VPC, Glue, cloud watch Maven, Jenkins, GitHub, Ansible, Docker, Java, Apache Tomcat, Lambda, JBoss, Junit, Cucumber, Json, Bash, Shell,

**Client : Tesco, Bangalore, India. Nov ’14 – May ‘16   
Role :: Devops Engineer**

**This is a migration project in which data from on prem servers is migrated to AWS cloud, migrated the micro services, created the docker images and continuous integrated with Jekins. Taking back up of existing services in GitHub.**

* Worked in all areas of Jenkins setting up CI for new branches, build automation, plugin management and securing Jenkins and setting up master/slave configurations
* Experienced in **Gitlab CI** and **Jenkins** for **CI** and for End-to-End automation for all build and **CD**
* Building the **CI/CD** process from scratch and implementing GitLab CI, GitLab, docker, maven​
* Migrating from GitLab to docker and implementing **GitLab** inside **docker**
* Containerizing the integration process by **GitLab CI within docker**
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions
* Integrating various Version control tools, build tools, **nexus**, and deployment methodologies ​(scripting) into Jenkins to create an end-to-end orchestration build cycles
* Working on various Docker components like **Docker** Engine, **Hub**, **Machine**, Compose and **Docker** Registry
* Capable of doing Ansible setup, managing hosts file, Using **Yamal** linter, authoring various playbooks ​and custom modules with Ansible
* Implemented DevOps best tools and practices such as centralized logging (ELK) server monitoring Nagios and Automation Ansible.
* Integrated **GIT** into Jenkins to automate the code check-out process
* Responsible for design and maintenance of the **GIT** Repositories, views, and the access control strategies
* Troubleshoot build issues in Jenkins, performance and generating metrics on master's performance
* Design, develop build and packaging tools for continuous integration build and reporting. Automate the build and release cycles
* Coordinate all build and release activities, ensure release processes is well documented, source control repositories including branching and tagging
* Diverse work experience in integration Testing, System Testing, Performance Testing and Regression Testing

**Environment:** Amazon Web Services, Jenkins, GitHub, B Ansible, Docker, Agile,ELK, Yamal

**Client : Hexware Technologies, Chennai, India. Jun ’12 – Oct ‘14  
Role :: Linux Administrator**

**Install & configure the nexus repository management for artifacts, Build the CI/CD pipeline, artifacts, repository, Performance tuning for Jekins.**

* Systems Engineer for a team that involved different development teams and multiple simultaneous software releases
* Developed and implemented Software Release Management strategies for various applications according to the agile process
* Used **GIT** as source code repositories
* Designed and implemented a **CI/CD** flow to get code from development to production with high quality and minimal manual effort.
* Worked on **Linux** in a **Cloud Computing** and Virtualized environment for **Amazon Web Services (AWS).**
* Worked on **Nagios** for monitoring the systems
* Developed **Shell/Perl** Scripts for Automation purposes
* Implemented multi-tier application provisioning in **Open Stack cloud,** integrating it with Puppet
* Responsible for designing and deploying best **SCM** processes and procedures
* Worked closely with Software Developers and Devops to debug software and system problems
* Setting up continuous integration and formal builds using Bamboo with Art factory repository
* Resolved update, merge and password authentication issues in **Bamboo** and **JIRA**
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT source control
* Developed Power **Shell 2.0** scripting to work with **TFS** Object Model to utilize for more repeatable, automated processes and tasks
* Build and used **CloudFormation\ Terraform** templates to **design** and launch applications.
* Analyze and resolve conflicts related to merging of source code for **GIT**
* Implemented the setup for Master Slave Architecture to improve the Performance of Jenkins
* Managing the code migration from **TFS, CVS** and Star team to Subversion repository
* Used Jenkins for Continuous Integration and deployment into Tomcat application server
* Deployed **.NET** applications to application servers in an agile continuous integration environment and automated the whole process
* Used Kubernetes to deploy, load balance, **scale** and manage **Docker** containers with multiple namespace versions.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company
* Supported and developed tools for Integration, Automated Testing and Release Management
* Involved in Research of the project application architecture to support/resolve Build, Compile and Test issues/problems

**Environment: Linux, Git hub, jira. Bamboo, Shell 2.0,TFC,UAT,Docker,.Net, CVS, Jira.**