**Abdul Mohammed**

**(929)260-0621**

**Cloud DevOps Engineer**

[**abdul@racketmails.com**](mailto:abdul@racketmails.com)

**PROFESSIONAL SUMMARY**

* Seven **years** of IT experience and gained expertise as DevOps Engineer experienced in Automating, Developing, Configuring and deploying instances on **AWS, Azure** and **Rackspace** cloud environments and Data centers, Automation and Unix administration and transformed traditional environments to virtualized environments with, AWS – EC2, EBS, ELB, S3, Route53, SES, Kinesis, Redshift, Load Balancing, Jenkins, Chef, Puppet, Jira, Ansible, Dockers, Vagrant
* Strong experience on AWS platform and its dimensions of scalability including **EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, CloudFront, CloudWatch, CloudTrail, CloudFormation, Terraform, Security Groups**.
* Experience in configuring **AWS** **Identity &** **Access Management (IAM)** by managing the user’s new accounts, roles and groups.
* Automated **AMI’s** creation through pre-boot and bootstrapping instances using **Shell** and **Python scripts**.
* Ability to deploy on **AWS** using build scripts (Boto3 & AWS CLI) and automated solutions using **Shell** and **Python**.
* Set up the scripts for creation of new snapshots and deletion of old snapshots in **S3** using **S3 CLI** tools and Setting up databases in **AWS** using **RDS**, storage using **S3** bucket and configuring instance backups to **S3bucket**.
* Created **alarms** and **trigger** points in **CloudWatch** based on thresholds and monitored the server’s performance, CPU Utilization, disk usage. Deployed applications on **AWS** by using **Elastic** **Beanstalk**.
* Managed **GIT** repository, code merging, and production deployments. Analyzed and resolved conflicts related to merging of source code for **Git**.
* Implemented **Maven** as build tool on Java projects for the development of build artifacts on the source code.
* Installed, administered and configured **Jenkins** Continuous Integration tool.
* Constructed automated solutions utilizing **Jenkins** and **Docker** for continuous integration and continuous deployment to a development environment.
* Maintain and track inventory using **Jenkins** and set **alerts** when the servers are full and need attention.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using **Ansible** **playbooks** and has Integrated Ansible with **Jenkins**.
* Experience working on **Docker**, **Docker File, Docker Registry** creating **Docker images** and handling multiple images primarily for **middleware** installations and domain configuration.
* Experience in using **Docker** and setting up **ELK** with Docker and Docker-Compose. Actively involved in deployments on **Docker** using **Kubernetes**.
* Worked with automation/configuration management using **Ansible** create playbooks to automate dev processes, used file module to copy and remove files on remote systems.
* Experienced in writing **Chef Recipes** to automate our build/deployment process and do an overall process improvement to any manual processes.
* Used **Chef** to Configure and manage Infrastructure. Wrote **cookbooks** to automate the configuration setups.
* Coordinating and tracking all projects for seamless releases using Project Management System **JIRA**, Source Code Management System **SVN** and Document Management System SharePoint.
* Experiencedin **Azure IaaS -** Virtualmachines, VM Scale Sets, **Load Balancer**,TrafficManager, Virtual Networks**, SQL,** Resource Groups and Cloud Services**.**
* Experienced in Querying **RDBMS** such as **Oracle**, **MY** **SQL** and **SQL** Server by using SQL for data Integrity.
* Used **Splunk** to monitoring/metric collection for applications in a cloud-based environment and Implemented **Nagios** monitoring solution for mission critical servers.
* Used selenium to write test and test web-based application.
* Ability to work closely with teams, to ensure high quality and timely delivery of builds and releases.

**Technical Skills:**

|  |  |
| --- | --- |
| Build Tools | Maven, Ant |
| CI Tools | **Jenkins, Hudson, Bamboo** |
| Application Servers | **Tomcat, JBoss, WebSphere** |
| Version Control Tools | **GIT, SVN** |
| Scripting Languages | **Python, Shell, Groovy** |
| Operating Systems | **Linux, MS Windows, Ubuntu, CentOS** |
| Provisioning /Containerization Tools | **Docker, Ansible, Chef, Puppet** |
| Clouds | **AWS, Azure, GCP** |
| Languages | **Java, Python, J2EE** |
| Orchestration Tools | **Kubernetes, Mesos** |
| Databases | **My SQL, Oracle, Mongo DB** |
| Monitoring Tools | **Nagios, Splunk, Cloud Watch** |
| Development Tools | **Eclipse, Net Beans, IntelliJ, VMWare** |

**PROFESSIONAL EXPERIENCE**

**Client: American Express July’18– Till Date**

**Location: Phoenix AZ**

**Role: Cloud DevOps Engineer**

**Responsibilities:**

* Working closely with DevOps Architects to analyze, review and clarify design architecture on tools Implementation, **Build and Deploy** automation.
* Installed the application on **AWS EC2** instances and configured the storage on **S3** **buckets**.
* Implemented **AWS Cloud watch** to monitor and alert servers/storage of production and corporate departments.
* Orchestrated and migrated CI/CD processes using **CloudFormation** and **Terraform** Templates and **Containerized** the infrastructure using **Docker**, which was setup in **AWS** **VPCs**.
* Have knowledge in creating **S3** **Buckets** in AWS and stored files. Enabled Versioning and security for the files stored.
* Managed servers on the Amazon Web Services (AWS) platform instances using **Ansible** Configuration management.
* Experience in working on cloud AWS cloud **EC2, S3, RDS, Load Balancer, Auto Scaling** with AWS command line interface and AWS python SDK.
* Enhancing existing framework by fixing open issues using Ready API with **Groovy scripting**.
* Developed **ANSIBLE Play Books** to install and configure Apache Tomcat, Jenkins, and Run deck and deployment automation.
* Written code for **pipeline template** to build then deploy applications to all configured environments.
* Provide support for the application teams if any issues or features to be added in pipeline template.
* Configured various jobs in **Jenkins** for deployment of Java based applications and running test suites. Setup ANT script-based jobs and worked with **Jenkins** Pipelines.
* Strong experience utilizing **Jenkins** for enterprise scale infrastructure configuration and application deployments & use **Ant/Maven** to build Jar, war, tar and ear artifacts. Provisioning Web Servers in **AWS and DNS route53** records.
* Performed integration of Code QA Techniques like **SonarQube**, **check style**, Find Bugs and PMD with CI tools like **Jenkins**.
* Created **Docker** images using a Docker file, worked on Docker container snapshots, removing images and managing Docker volumes and for branching purpose.
* Creating users and groups inside of Google cloud platform. Creating procedures for how to lock away the built-in accounts (check in, check out).
* Secures network by developing network access, monitoring, control, and evaluation with GCP Admin.
* Good understanding of Open shift platform in managing Docker containers and **Kubernetes** Clusters.
* Used **Kubernetes** to manage containerized applications using its nodes, Config Maps, selector, Services and deployed application containers as **Pods**.
* Implemented DevOps best tools and practices such as centralized logging (**ELK**) server monitoring **Nagios** and Automation **Ansible**.
* Installed, configured and managed the **ELK** (Elastic Search, Log stash) for Log management within EC2 / **Elastic Load balancer** for Elastic Search.
* Expert in Maintain and Using **Ansible** server and workstation to manage and configure nodes.
* Created Ansible playbooks which are the entry point for **Ansible** provisioning, where the automation is defined through tasks using **YAML** format and Run Ansible Scripts to depending on provision to Dev servers. Converted a slow and manual procedure to dynamic API generated procedures in **Ansible**.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using **Terraform**. Managed AWS infrastructure as code using **Terraform**.
* Expertise in writing new plugins to support new functionality in **Terraform**.
* Created, Configured and Administered **Jenkins** servers with **Master-slave** configurations as needed.  
  AWSEC2/VPC/S3/Route53/IAM/Cloud Formation/ELB based infrastructure automation through **CHEF** and Bash Scripts.
* Used **selenium** to write test and test web-based application. Run **Regression test cases** before deploying the code onto the production server.
* Develop **PowerShell** **scripts** for automating deployments to various environments.
* Deployed and configured **GIT** repositories with branching, forks, tagging and merge requests.
* Source Code Control & Repository Administration with merging and branching to develop new features in the existing code using **GIT**.
* Proficient in deploying applications that uses **NoSQL** or similar **RDBMS**.
* Expertise in testing Web services using **SOAP UI/POSTMAN** services.

**Environment**: AWS, Jenkins, Ansible, GCP, Git, CHEF, JBoss Application Servers, Python, PowerShell, Groovy, Lambda, Terraform, Nagios, YAML, Apache Tomcat, SOAP/REST, Selenium, Agile/Scrum, Docker, Windows, Linux, CentOS.

**Client: Reflexis Inc April'16 – June’18**

**Location: Kennesaw GA**

**Role: AWS / DevOps Engineer**

**Responsibilities**:

* Defined and Implemented **CM** and Release Management Processes, Policies and Procedures.
* Imported and managed multiple corporate applications in **Git**.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Developed Wrapper in **Python** for instantiating multi-threaded application.
* Written **Chef** Recipes to automate our build/deployment process and do an overall process improvement to any manual processes.
* Worked on documentation - Chef Basics, Initial setup of Chef, Database implementation, Coding standards, Cookbook document, testing docs.
* Worked on CI design and DevOps implementation projects using **AWS**, **Chef** and **Jenkins** to help build a custom continuous delivery system across environments and across applications.
* Automating infrastructure in **AWS with Chef**, Created **EC2** Instances and **VPC** network and assigned Roles and permissions via IAM key management.
* Implemented DevOps best tools and practices such as centralized logging (ELK) server monitoring **Nagios** and Automation **Ansible**
* Managed and monitored the server and network infrastructure using **Splunk**.
* Developed, maintained, and distributed release media and release notes for each scheduled release.
* Developed automation framework for application deployments to cloud environments.
* Branching, Tagging, Release Activities on Version Control Tools: **SVN**, **GIT**.
* Scripting in multiple languages on **Linux, Shell scripting, python scripting** etc.
* Coordinated all the IT projects successfully by resolving release interdependencies.
* Integrated **Maven** with **Perforce** to manage and deploy project related tags.
* Experienced in interfacing with clients/users on daily basis, providing status reports and project updates.
* Worked on DevOps team-based environment providing end-to-end solution.

**Environment**: Subversion, ANT, MAVEN, Java.J2EE, Perforce, Jenkins, Apache Tomcat, UNIX, JIRA, Python, Perl Scripts and Shell Scripts, Ansible.

**Client: PwC Feb’15 - Dec ‘15**

**Location: NYC, NY**

**Role: Build and Release Engineer**

**Responsibilities:**

* Performed all necessary day-to-day **Subversion** support for different projects.
* Responsible for Branching and Merging the code as per the schedule.
* Perform biweekly build cycle and testing processes.
* Used **ANT and MAVEN** as a build tools on java projects for the development of build artifacts on the source code.
* Installed and Configured **Continuous** jobs for automating some Build Processes.
* Installed and Configured **Nexus** to manage the artifacts in different Repositories.
* Configured and automated the **Jenkins** Build jobs for Continuous Integration(CI).
* Used **Apache Tomcat** as application server for deploying the artifacts.
* Developed UNIX and Perl Scripts for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Designed and implemented **Subversion** metadata including elements, labels, attributes, triggers and hyperlinks.
* Responsible for automation on AWS cloud formation template with Sparkle formation Library in Ruby.
* Automation through Ruby scripts.
* Administered Build Forge for automated build and deploy activities.
* Used **Perl/Shell** to automate build and deployment Process.
* Created and maintained the **python** deployment scripts for Web Sphere web application.
* Documented the deployment process (Migration Doc) of code to production.
* Used **JIRA** as Issue Tracking Tool.

**Environment**: Subversion, ANT, MAVEN, Java.J2EE, Continuum, Jenkins, Apache Tomcat, UNIX, JIRA, Python, Perl Scripts and Shell Scripts, Bamboo.

**Client: Tata Consultancy Services July’12 –Aug’14**

**Location: Hyderabad, India**

**Role: Linux Administrator**

**Responsibilities:**

* Responsible for installing and configuration of **UNIX**, **RHEL**, and **Solaris** and implemented day-to-day tasks in **RHEL** including user access, setting up sudo rules.
* Monitoring and troubleshooting issues of operating systems and Hardware Systems and exclusively configured **IBM RS/6000** for production, staging and test environments.
* Experience in Upgrading and patching of Solaris, installed cluster and applying to firmware.
* Experience with VMware Virtualization using **ESX 4.0, XEN** and Virtual box hypervisor of Vsphere
* Networking communication skills and protocols such as **TCP/IP**, **Telnet**, **FTP**, **NDM**, **SSH**.
* Assisted in installation and Configuration of **SSH, TELNET, DHCP, DNS.**
* Extensive experience with working on Solaris Volume Manager to create file systems as per user and database requirements, creating meta devices, soft partitions, mirroring the devices.
* Operating Systems issues related to process failures, software and hardware system alarms in Sun servers.
* Experienced in writing **Shell Scripts** in Bash, **C-shell** and **Cron** tab in Linux to automate the tasks.
* Installation and updating the systems with the new package updates using **YUM** and **RPM**.
* Local and Remote administering of servers, routers and networks using **Telnet** and **SSH**.
* Troubleshoots network issues using **'trace route'**, **'net stat'**, **'ifconfig'** and **'snoop'.**
* Installation and configuration of using Volume Manager and Volume Cluster Servers.
* Creating Permissions for the files and directories and troubleshooting network and firewalls.
* Worked with Documenting processes and troubleshooting scenarios on run books.
* Provided support for large number of Production, Development and Test systems.
* Experienced in performing the administration of the **DNS** and zone configuration.
* Good experienced in communicating with onsite and off shore teams on daily basis.

**Environment**: Red Hat Linux, Unix, Sun Solaris, VMware ESX 4.0, XEN, Solaris volume Manager, IBM RS/6000, Netback up 5.0, VMware Virtualization 4.x/5.0.

**Education Details:**

**M.S in Computer Information Systems**

**Rivier University New Hampshire (USA)**

**B.E in Electronics and Communication**

**Deccan college of Engg & Tech (Osmania University) Hyderabad (India)**