# Image result for aws developer certification updated logo

 **M.V.RAM**

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**Profile Summary:**

* **10**+ years of experience in IT. **DevOps** methodology and workflow, continuous integration(**CI**)/continuous delivery(**CD**) oriented build engineering, Configuration management, containerization, cloud services and system administration.
* Experience working on multiple AWS **EC2** instance, setting the **security groups**, Elastic Load Balancer, **SQS**, **SNS** and **Auto Scaling, CloudFormation** stacks to design cost effective, fault tolerant and highly available systems.
* Launched **Docker** containers on pods on top of multi-node **Kubernetes** clusters in **AWS** and **Google Cloud Platform.**
* Strong experience in setting up the enterprise infrastructure on **AWS** with **Ansible, Maven, Jenkins** to complete the automation from commit to deployment using **Git** repositories.
* Managed Linux and Windows virtual servers on **AWS** using **Chef**.
* Good working knowledge on **Google Cloud Platform** services like Compute Engine, Cloud load balancing, Cloud Storage, GKS, Stackdriver Monitoring, Networking, IAM, Security & Identity and Storage Services.
* Expertise in administering deployments into production environments by using different webservers like **JBoss, WebSphere with Apache HTTP Server, WebLogic** and **Apache Tomcat.**
* Excellent experience in **Shell** and **Python** scripts for release and build automation.
* Expertise in working with different Bug Tracking Tool **Jira** and enterprise repository management tools like **Nexus**, **Artifactory** etc.
* Coordinated various Teams - Development, **QA**, Product Management, and external IT teams to make sure the build/packages delivered on-time and with high quality through **SDLC** lifecycle.

**Technical Skills:**

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| **Configuration Management** | **:** | Ansible, Chef, Terraform |
| **Continuous Integration**  | **:** | Jenkins |
| **Version Control** | **:** | Git, SVN |
| **Build Tools** | **:** | ANT, MAVEN. |
| **Cloud Platforms** | **:** | AWS, Google Cloud, Azure |
| **Package Management** | **:** | Nexus, Artifactory. |
| **Issue Tracking** | **:** | JIRA, Bugzilla. |
| **Virtualization** | **:** | Docker, Vagrant and Kubernetes. |
| **Operating Systems** | **:** | Linux (Red Hat), Ubuntu, RHEL, CentOS, Windows and Unix. |
| **Databases** | **:** | Oracle, MySQL, Relational, NoSQL, SQL server, Aurora, Teradata, MongoDB |
| **Programming Languages** | **:** | Java, Python, Shell script, Bash, Ruby |
| **Web & Application servers****Monitoring Tools** | **:****:** | Tomcat, JBoss, HTTP, HTTPS, DNS, WebLogic, Web Sphere, Nginx, and ApacheNagios, Splunk, Kibana, Grafana, Datadog |

**PROFESSIONAL EXPERIENCE**

**Designation: Senior DevOps Engineer June 2018 to Present**

**Client: Equifax -- Alpharetta, GA**

**Responsibilities:**

* Handled operations, maintenance and support for **AWS** Cloud resources which includes launching, maintaining, and troubleshooting **EC2** instances, **S3** buckets, Virtual Private Cloud (**VPC**), Elastic Load Balancers (**ELB**) and **Auto Scaling.**
* Maintained the user accounts (**IAM**), **RDS**, **Route 53**, **RDB**, **Dynamo DB**, **SES**, **SQS,SNS** and server **Vulnerabilities** in **AWS** Cloud.
* Developed **CloudFormation** templates and setting up **Auto scaling** for **EC2** instances and creating **CloudWatch** alerts, monitoring for instances also wrote scripts in **Terraform** and **Lambda** to spin up instances in Cloud.
* Configured **Redis ElastiCache** to load the data with high security enabled solution.
* Extensive experience with migrating IT infrastructure from corporate data center to **AWS** and **GCP.**
* Managed **container-based deployments** using docker, working with **docker images**, **docker hub** and **docker registries.**
* Involved in development of test environment on **Docker** containers and configuring the **Docker** containers using **Kubernetes.**
* Implemented **CI/CD** Pipelines for build and deployments of various applications on **Kubernetes** (GKE).
* Developed the automated build and deployment using **Maven** and **Jenkins** and tomcat as the application server with automation scripts and plugins.
* Designed integrated build pipelines using continuous integration workflows and deployed the artifacts into **Nexus.**
* Handled over 120+ jobs running on 40+ nodes in **Jenkins** from 10 different application teams for over 4-5 releases in parallel.
* Configured scripts to monitoring **System/Application** Logs of server using **Splunk**, **Grafana**, **CloudWatch** and **Kibana** to detect production issues.
* Deployed and configured **Atlassian** tools like **Jira, Confluence, Bitbucket, GIT** for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation.
* Integrated **Datadog** for streamlining security metrics and application logs. Created and utilized **Datadog** dashboards in monitoring and maintaining applications.

**Designation: DevOps Engineer April 2016 to May 2018**

**Client: Travelport -- Centennial, CO**

**Responsibilities:**

* Maintained Amazon **AWS** Cloud Administration which includes services: **EC2, S3, EBS, VPC, ELB, Route 53, Auto scaling, Security Groups** and **Cloud Formation.**
* Participated in **CI/CD** pipeline for configuration management system and application development leveraging **Chef, Git, AWS,** and **Jenkins.**
* Utilized **AWS** **CloudWatch** to monitor the performance environment instances for operational and performance metrics during load testing.
* Expertise with **Chef Data bags, Chef Supermarket,** provisioning concepts and all various **Cookbook** components like **Attributes**, **Files**, **Libraries,** **Recipes**, **Resources** & **Templates.**
* Installed workstation, bootstrapped nodes, wrote **Chef-Recipes, Cookbooks** & uploaded them to the **Chef** server to manage configurations, applications, packages, services and automate installation process for **webservers.**
* Implemented **Chef Recipes** for Deployment on build on internal Data Centre Servers. Also re-used and modified same **Chef Recipes** to create a Deployment directly into Amazon **EC2** instances.
* Worked for **DevOps** Platform team responsible for specialization areas related to **Chef** for **Cloud Automation.**
* Configured and monitored distributed and multi-platform servers using **Nagios.**
* Worked with **Docker** Trusted Registry as repository for our docker images and worked with Docker container networks.
* Handled configuration management to drive software continuous integration and continuous delivery using **Git, Maven, Jenkins, Chef, Cloud and Docker** container services.
* Deployed and configured **Atlassian** tools like **Jira, Confluence, Bitbucket, Jenkins** for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation.

**Designation: Build and Release Engineer July 2013 to Oct 2015**

**Client: OSI Systems -- Hyderabad, India**

**Responsibilities:**

* Designed and implemented automation deployment using to promote major releases, monthly releases, and patches from **Development, Integration/QA, Staging/UAT, Production.**
* Responsible for setting up and maintaining **Git/GitHub infrastructure.**
* Developed **Shell** scripts for automation of the build and release process.
* Installed **Splunk UF** and Heavy forwarders to bring any kind of feeds from different application servers into **Splunk.**
* Administered and engineered **Jenkins** to manage **Build, Test** and **Deploy** chain, **Git** with Development/ Test/ Production **Branching model** for releases.
* Created **ANT** and **Maven POMs** to automate the build process for the new projects and integrated them with code quality tools like **SonarQube.**
* Configured and maintained **Jenkins** to implement the process and integrated the tool with Maven to schedule **CI/CD** the builds.
* Used **Git, Maven, Jenkins, WebLogic** and **Atlassian JIRA** as tools for day-to-day build & release cycles. **Troubleshooting Splunk** server and agent problems.
* Deployed Applications into **PROD & Pre-Prod** environments with various Application server technologies like **WebLogic & Apache Tomcat.**
* Worked with **Nginx** for load balancing of the servers and different **TCP/IP** protocols.

**Designation: Linux Administrator June 2010 to May 2013**

**Client: Mega Soft Technology -- Hyderabad, India**

**Responsibilities:**

* Managed and administrated of all **UNIX** servers, includes Linux operating systems by applying relative patches and packages at regular maintenance periods using Red Hat Satellite server, **YUM**, **RPM** tools.
* Planned and performed the upgrades to Linux **(RHEL 5x, 6x, SUSE 10, 11, CENTOS 5,6)** operating systems and hardware maintenance like changing memory modules, replacing disk drives.
* Handled **NFS**, Auto Mount, **DNS**, and **LDAP** related issues.
* Administered Linux servers for several functions including managing Apache/Tomcat server, mail server, and **MySQL** databases in both development and production.
* Migrated database applications from Windows 2000 Server to **Linux server.**
* Installed and setting up Oracle9i on Linux for the development team.
* **Linux kernel**, memory upgrades and swaps area. **Red hat** Linux Kickstart Installation.
* Created users, manage user permissions; maintain User & File System quota on **Red hat** Linux. Bash shell-scripts to automate routine activities.
* Planned, scheduled and Implemented OS patches on **Linux** boxes as a part of proactive maintenance.
* Experienced to Identify, troubleshoot, and resolve problems with the OS build failures.
* Performed kernel and database configuration optimization such that it limits I/O resource utilization on disks.

**EDUCATION:**

* **Colorado Technical University – Colorado, USA**

Master’s Degree in Computer Science (CS)

* **JNTU Kakinada – Kakinada, INDIA**

Bachelor’s degree in Computer Science & Engineering(CSE)