

VIJAYA

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Cloud AWS Developer||DevOps Engineer||Build & Release Engineer

PROFESSIONAL PROFILE

Highly motivated DevOps and AWS professional with around 8 Years of experience in IT industry comprising of DevOps Engineering, Continuous Integration/Continuous Deployment, AWS Cloud Engineering and System Administration. Extensive experience includes SCM, DevOps, Build/Release Management, Change/Incident, Cloud Management and Containerization.

- Experience in Build, Migrate, and Administration of **Amazon AWS** Cloud Platform.
- Experienced in designing, deploying and maintaining various multitude applications utilizing AWS services stack like **EC2, Simple Storage Service (S3), RDS, VPC, Cloud Front, Cloud Trail, SES, Cloud Watch, Route53, Elastic Bean Stalk, Elastic Load Balancer, Elastic IP, Security Groups, RedShift, Auto-Scaling, IAM, Direct Connect, Glacier, SNS, SQS, Elastic Cache, Lambda, Cloud Formation Templates, Snowball, and Auto-scaling.**
- Experience in **Automating, Configuring and Deploying Instances on AWS environments** and in **Data centers. Architected automation of AWS Virtual Networks, Network Security Groups** and **access control rules** and worked with security team to make sure AWS data is highly secure.
- Developed **AWS Cloud Formation templates** to create custom sized **VPC, subnets, NAT, EC2 instances, ELB, Security Groups.**
- Experienced in keeping up and looking at log archives using monitoring tools like **CloudWatch, CloudTrail** and **Nagios.**
- Well experienced with managing source code using Version control tools like **Git** and **SVN.**
- Expertise in using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as war from source code.
- Expertise in continuous integration workflow, project testing, and deployments with **Jenkins.**
- Expertise in integrating **Docker** container orchestration framework using **Kubernetes** by creating **pods, config Maps.**
- Expertise in Implementing a production ready, highly available, fault tolerant **Kubernetes** infrastructure. Working on Scheduling, deploying and managing container replicas on a node cluster using **Kubernetes.**
- Experience on **Docker** Container, **Docker Hub**, creating **Docker images** and handling multiple images primarily for middle-ware installations and domain configurations.
- Expertise in using Docker to run and deploy the applications in multiple containers like **Docker Swarm.**
- Expertise in using the Docker for virtualization, **Ship, Run** and **Deploy** the application securely to fasten the Build, and Release process.
- Wrote several **Ansibleplaybooks** for the automation that was defined through tasks using **YAML** format and run **Ansible Scripts** to provision **Dev** servers.
- Experience in using Ticketing tools like **JIRA, Service Now** for ticketing.
- Good Experience in **Shell/bash , Python, YAML** scripting and **PHP** scripting.
- Good knowledge of web technologies such as **JavaScript, HTML, CSS** and, etc.
- Experience in configuring **Kickstart** Servers in **Red hat Linux.**
- Experience with Databases **MySQL, MongoDB, ORACLE, PostgreSQL** and **DynamoDB.**
- Experienced in installing, updating and keeping up **RedHat Enterprise Linux, CentOS, Ubuntu** and **Windows**-based platforms.
- Worked closely with developers to define and configured **WebSphere application Servers, Virtual Hosts, Web Applications, Web resources, Servlets, JDBC drivers and Servlet Engines** as well as deployment of **EJBs** across multiple instances of **WebSphere.**
- Created users and groups in **LDAP Servers** and mapping them to the enterprise applications running on **WebSphere** Application Server.
- Implemented **Horizontal and Vertical Clustering**, Performance tuning and troubleshooting of **WebSphere** Application Server 6.1/8.5.5.
- Exposed to all aspects of Software Development Life Cycle (**SDLC**) for Post-production analysis of the projects.
- Worked on **SDLC methodologies** like **Agile, Waterfall, Test Driven Development**, Continuous Integration and Continuous Delivery.
- Experienced in working on **DevOps/Agile** operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident, and Change Management).
- Excellent communicative, interpersonal, intuitive, analysis and leadership skills with the ability to work efficiently in both independent and teamwork environments.

TECHNICAL SKILLS

Cloud Platforms	Amazon Web Services
Containerization Tools	Docker, Kubernetes
Configuration Management	Ansible
Continuous Integration & Deployment	Jenkins
Build tools	Maven, Ant
Version Control	Git ,GitBucket, GitHub, SVN
Monitoring tools	Nagios
Ticketing tools	JIRA, ServiceNow
Repository management tools	Artifactory
Virtualization tools	VMWare ESX/ESXi, VirtualBox, Windows Hyper-V, Vagrant
Operating Systems	RedHat, CentOS, Ubuntu, Debian, Windows & MacOS
Web/Application Servers	Apache Tomcat 5.x/7.x, IHS 8.x, Web Sphere 6.1/8.5.5, Web Logic 9/10
Programming & Scripting Languages	HTML, JavaScript, CSS, PHP, Python, C, C++, SQL, Bash, Shell, JSON, YAML, Ruby
Databases	SQL Server, MongoDB, Oracle, MySQL, Dynamo DB.
Networking	HTTP, HTTPS, TCP/IP, DNS, DHCP, UDP, FTP, SSH.

EDUCATIONAL DETAILS

- Masters Degree in Computer Science from Nagarjuna University. India.
- Bachelors Degree in Computer Science from Nagarjuna University, India.

PROFESSIONAL EXPERIENCE

Client: Adient

August' 17- till date

Role: Cloud/DevOps Engineer

Location : Holland, MI

Responsibilities:

- Involved in designing and developing a multitude application utilizing almost all of the **AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM)** focusing on high-availability, fault tolerance, and auto-scaling.
- Supporting **AWS Cloud** environment with multiple servers and configured **Elastic IP & Elastic Storage**, Load balancing, Security groups and Network ACLs, S3 buckets for logs.
- Migrated the current Linux environment to **AWS/RHEL** Linux environment and used auto scaling feature.
- Assisted in migrating the existing data center in to the **AWS environment**.
- Managed multiple **AWS accounts** with multiple **VPC's** for both production and non-production where primary objectives included automation, build out, integration and cost control.
- Created automated pipelines in **AWS CodePipeline** to deploy **Docker containers** in **AWS ECS** using services like **CloudFormation, CodeBuild, CodeDeploy**, and S3.
- Configuration of Network architecture on Amazon Web Services (AWS) with **VPC, Subnets, Internet gateway, NAT, Route table**.
- Experienced in setting up of **AWS** relational databases like **Aurora, MYSQL, MSSQL, RedShift** and **NoSQL database DynamoDB**
- Worked on **Jenkins pipelines** involving several Downstream, Upstream job configurations based on dependencies from other applications & based on **Release methodologies**.
- Skilled in monitoring servers using **Nagios**, Cloud watch and using **ELK Stack Elastic Search Logstash**.
- Orchestrated and migrated **CI/CD** processes using **CloudFormation**, Templates and Containerized the infrastructure using **Docker, AWS** and **VPCs** and Virtualize the servers on AWS using the **Docker**, create the Docker files and version control.
- Worked on **JIRA** for defect/issues logging & tracking and documented all my work .
- Co-ordination with development team to deliver an end to end **continues integration/continues delivery** product in an open source environment using **Jenkins** to get the job done.
- Implemented programmable infrastructure in Production, Dev, Pre-Prod with **Kubernetes**.
- Used **Maven** and **Python scripts** to automate the Build and deployment process. Used **ANT** for few modules.

- Integrated services like **GitHub**, AWS Code Pipeline, **Jenkins** and **AWS Elastic Beanstalk** to create a deployment pipeline and Worked on automation and continuous integration processes with **Jenkins**.
- Writing **shell scripts** to automate the jobs and scheduling **cron** jobs for job automation using commands with Crontab.
- Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using **Ansible Playbooks** and has integrated **Ansible** with **Jenkins**.
- Included **security groups**, network **ACLs**, **Internet Gateways** , and **Elastic IP's** to ensure a safe area for organization in AWS.

Environment: AWS (EC2, EBS, S3, VPC, Code Deploy, Code Commit, Elastic search, Lambda, API Gateway, Route 53 (DNS), ECS, CloudFormation, RDS, DynamoDB, SNS, SES, SQS, IAM, RedShift, Ops Works), Maven, Ansible, Docker, Kubernetes, Jenkins, GIT, Python, Jira.

Client : BMC

Jan'15- Feb'17

Role: Build Engineer

Location : Hyderabad, India

Responsibilities:

- Implement, maintain and support reliable, timely and reproducible builds for project teams.
- Experience in creating new **Jenkins** master and slave servers for production usage and responsible for configuring them as per the Business partner's request.
- Created **Jenkins** Workflows for the pre-deployment process (DB execution, Environment configuration changes etc.) on both QA and pre production Environments.
- Responsible for User Management, Plugin Management and End-to-End automation of Build and Deployment process using **Jenkins**.
- Involved in writing parent **pom.XML** files to establish the code quality tools integration.
- Developed build using **MAVEN** as build tool and used **CI tools** to kick off the builds move from one environment to another environments.
- Assist with maintaining current build systems, developed **build** scripts, and maintained the source control system.
- Publishing the Release notes for all the releases using Confluence
- Worked with **GIT** and **Subversion** to manage source code.
- Integrate **GIT** into **Jenkins** to automate the code check-out process.
- Participated in the release cycle of the product which involves Development, QA, UAT, and Production.
- Created multiple **Python scripts** for various application level tasks.
- Worked with **Oracle Database** Admin to keep all the specified tables as assigned by developments in sync for every release.
- Sending the **Uptime** and **Downtime** notifications to teams regarding Servers Status as a part of the Build Engineer role at the time of deploying the EAR and WAR package in Websphere DMGR node..
- Worked with the developers to configure plugins through **Eclipse** to develop the code.
- Utilize **Jira** for issue **reporting**, **status**, and activity planning.
- Documented the **SCM process** and policies of the company and recommended some process changes.
- Worked with **scrum** and development team in overseeing bug tracking, test prioritization, test automation and, releases.
- Implemented **Release** schedules, communicated the **Release status**, created Roll out Plans, tracked the Project Milestones, prepared the reports and chaired the Release calls and worked for a successful Release.
- Responsible for communicating next steps, deployment schedules, quality assurance, validation and defect tracking/ resolution.

Environment: AWS, Jenkins, Maven, GIT, GitHub, SVN, JIRA, Ansible, SQL Scripts, Python, Oracle 10g, Apache, WebSphere Application Server, Java/J2EE, Apache Tomcat, UNIX, Python, Shell Scripts.

Client: GE

Apr'11- Dec'14

Role: System Administrator

Location : Hyderabad, India

Responsibilities:

- Installed and configured **Linux** for **LAMP (Linux, Apache, MySQL and PHP)** installations.

- Involved in all administrative tasks like Installation, Configuration, Deployment, and Troubleshooting of **WebSphere Application Server 6.x** on UNIX/Linux Platforms.
- Configuring and hardening Linux servers evaluating needs and installing appropriated recommended patches as needed.
- Deployed the **EAR** and **WAR** archives into Web logic and Apache Servers.
- Configured **Kickstart server** and updating/applying patches to the server using **Red Hat satellite server**.
- Experienced in **virtualization** using **VMware ESX server 3.5, 4.0 VMware workstation, virtual box** and **XEN, RED HAT enterprise virtualization suite**.
- Upgrading **Linux kernel** with latest releases on **RHEL servers**.
- Ensured business continuously by designing, implementing and testing Disaster recovery systems.
- Experience in package and patch management using **RPM** and **YUM**.
- Setup **squad proxy server** for internet sharing and to block the unwanted site.
- Remote system administration using tools like **SSH, Telnet** and **Rlogin**.
- Pro-active maintenance on systems by timely upgrading patches to the systems and applications.
- Performed troubleshooting of **DNS, DHCP** and active directory.
- Responsible for writing/modifying scripts using both **Bash, SSH** for day-to-day administration.

Environment: LAMP, IP tables, firewall, TCP wrapper, NMAP, Kickstart server, VMware ESX server 3.5, 4.0 VMware workstation, virtual box, XEN, RED HAT enterprise virtualization suite, Red Hat Enterprise Linux 6.5, SSH, Telnet, Rlogin, DNS, DHCP, Bash.