**S KAKARLA**

**Devops Engineer**

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**PROFESSIONAL SUMMARY:**

Having 4.5 years of experience in IT Industry as a **DevOps Engineer and Build & Release Engineer**. Having exposure to **Software Configuration Management, Build Management, Release Engineering,** **Trouble shooting application issues** and **Environments related issues** and many other tools and technologies.

* Excellent experience in **DevOps, Build and Release, Application/Production Support.**
* Experience in Implementing Organization **DevOps** strategy in various environments of **Linux** and **windows** servers along with adopting cloud strategies based on **Amazon Web Services**.
* Expert in Cloud Technologies like **Amazon Web Services** (AWS) **VPC, EC2**, **Cloud formation**, **S3, IAM, RDS, Route 53, Cloud Watch** and **Elastic cache**.
* **Utilized** Cloud Watch to monitor resources **such as EC2, CPU memory, Amazon RDS DB services, EBS volumes;** to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
* Utilize **Amazon Glacier** for archiving data.
* Working experience in continuous integration using **Git, GitHub, maven, Jenkins(CI/CD), Ansible.**
* Strong Experience automated build platforms/continuous integration using DevOps architecture.
* Created and configured multiple jobs on **Jenkins** for regular source code **builds and deployments**.
* Worked on Installation, creation of **Master Node, slave nodes,** Installationof Plugins Job creation to automate build and deployment of application, scheduling of jobs to automate the deployment process, Multi-job configuration, sending alerts and Maintenance of Jenkins.
* Experience setting up and maintaining auto-scaling **AWS stacks** (preferred using cloud formation).
* Deploy Jenkins to completely provision and manage **AWS EC2 instances**, **volumes**, **DNS, and S3**.
* Migrated existing infrastructures over three AWS accounts into VPCs managed by Cloud formation
* Good Knowledge of using different protocols like **FTP, SSH, HTTP, HTTPS** and **Connect direct**.
* Strong Experience in Production support engineer providing **24/7** technical support for middle-ware application servers.
* Exceptional ability to quickly master new concepts and technologies. Involved in doing multiple **POCs** in **AWS** Services.
* Have experience on monitoring the batches, troubleshooting and fixing the bugs.
* Ability to work in a pressurized work environment to meet tight deadlines and great ability to learn new skills, maintain the highest standards in every venture.
* Extremely dedicated, self motivated and willing to assume responsibility.
* Continuously monitor the entire application server, performing daily health check and validating all these application on daily basis.
* Knowledge on Lambda function in AWS.
* Worked on Docker tool.
* Good Knowledge on OSI Model and Networking Devices
* Knowledge on **networking**, and security configuration and concepts.
* Administration of Network Devices, Securing Access to desktops, servers and Network Devices
* OWASP Top 10 Vulnerabilities in web application security
* Security network auditing using Nexpose, Nessus and Wireshark
* PC auditing tools using Belarc, PC audit, RK hunter, MBSA
* Port scanning tools using NMAP

**TECHNICAL SKILLS:**

* **Cloud Computing :** Amazon Web Services
* **Web Server :** Apache Tomcat
* **Operating Systems :** Redhat, Ubuntu, Centos and Boss, Windows
* **Monitoring :** Nagios, AWS Cloudwatch, Splunk, Wireshark
* **CI&CD Server :** Jenkins
* **Version Control**

**Tools  :** Github, SVN

* **Configuration Mana**

**gement tools :** Ansible, Puppet, Chef

* **DB & Programing :** MySQL & Python
* **Ticketing tools :** Jira, FnF Servicenow, Microsoft TFS
* **Knowledge on**

**DevOps Tools :** Putty, WinSCP, SVN, Git Bash, Docker, Maven,

* **Tool for building**

**software applications:** API’s

**ACADEMIC DETAILS**



* Bachelors in Electronics and Communication engineering, **JNTU University, India.**

**ORGANIZATIONAL EXPERIENCE:**

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| **Project** **Name** | **Client** | **Duration** | **Company** | **Role** |
| Global Market  Investment Services | Bank of America | May 16- Aug 19 | Fidelity National  Financial, India | Devops Engineer |

**Project Description:**

Bank of America is a global powerhouse, providing institutional clients worldwide with access to our leading sales and trading and research franchises, investment banking services, global client relationships and product innovation. Through our platform, Bank of America Merrill Lynch serves institutional, corporate and commercial clients in the U.S. and internationally, with a broad range of products, services and client solutions.

**Key Responsibility’s:**

* Creating CI/CD pipelines by integrating **Git, GitHub, Maven, Jenkins, Ansible, and AWS** (provisioning).
* Experience in AWS provisioning by creating **EC2 Instances** and configuring all necessary services like **Security, EBS, and S3.**
* Automating build process for creating JAR/WAR artifacts using **Maven**.
* Configured packages, services using **Ansible** modules like **apt, service, templates, handlers** etc. configuring Apache tomcat server using **Ansible**.
* Developed and Implemented Software Release Management strategies for various applications according to the **Agile Process**.
* Worked with cloning code from **GIT** repositories and had experienced in checkout to the branches and downloading code into **Maven**.
* Expertise in AWS Cloud Administration which includes services like**: EC2, S3, EBS, VPC, IAM, Route 53, Auto scaling and Security Groups.**
* Automated deployment using configuration management tools like Ansible to provision amazon AWS Instances to enable continuous Deployments.
* Involved in job scheduling for daily and nightly build activity using Jenkins.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using Ansible.
* Administrating **GIT and Jenkins, Providing access permission** to the team members..
* Setup different environments for **build, (Test, Development, Pre-production and Production).**
* Deployment of the Business processes by creating **JAR, WAR files to Tomcat application servers**.

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| **Project** **Name** | **Client** | **Duration** | **Company** | **Role** |
| Multi Tier  Architecture | Fidelity National Information Services | Jan 15- May 16 | Fidelity National  Financial, India | AWS Engineer |

**Responsibilities:**

* Experience in AWS provisioning by **creating EC2 Instances** and configuring all necessary services like **Security, EBS, and S3.**
* Configure **Cloud Watch monitoring**/**Cloud Watch Alarms/Alerts** for all the applicable tiers of the proposed architecture.
* Creating servers, AMIs, storage blocks in S3,taking snapshots, VPCs, subnets, load balancing and auto-scaling in AWS
* Designing and implementing fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including Jenkins Nodes/Agents, SSH, Amazon EC2 and packaging, deployment and testing.
* User, Bucket and Object level policy enabling for access restriction.
* Enhanced Data Sharing (**EDS**) program focuses on delivering enhanced buyer information, such as buyer email domain, AWS account ID, and location, on a daily and monthly basis to select AWS
* **Cloud Watch alerting** is configured and notifications are sent by using **SNS**.
* Monitoring **CPU** performance and system processes.
* Configured **IAM** and provided role based access to the individual users.
* Configured and managing security groups and VPC.
* Configured and managing ELBs and S3 storage.
* Created AMI images of the critical EC2 instance as backup using AWS CLI and GUI.
* Document system practices **configurations, Instance, OS, and AMI build, backup procedures, troubleshooting guides, and keep infrastructure** and **architecture drawings** current with changes.

**References:**

Available on the request