**SHASHIKUMAR. R**

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**Summary:**

**8 Years** of AWS/DevOps Engineer experience in IT Infrastructure and Hosting support environment. Seeking a Technical position fully utilizing strong customer service attitude, exceptional organizational ability and technical skills.

**Certifications(A CLOUD GURU)**

1) AWS Certified DevOps Engineer - Professional 2020

2) AWS Certified Solution Architecht Assosiate 2020

3)Certified Kubernetes Administrator(CKA) Course completed.

**Professional Profile:**

* Worked on CI tool like Jenkins, Created jobs, Installed Plugins and automated build process
* Scheduled Build jobs, configured build pipeline and automated deployment using Jenkins
* Managing build infrastructures environment setups and monitoring daily operations in Jenkins and enhancing/troubleshoot issues/problems.
* Worked on **AWS cloud environment, created ec2 instances and installed Jenkins on ec2 servers**
* Installed **Anisble and managed servers using Ansible**
* Responsible for releases, doing builds and managing build system
* **GIT administration** and supporting source code management services
* Responsible for **creating branches, merging and resolving merging conflicts**.
* Writing shell scripts to automate manual and repetitive tasks. Responsible for modifying and tuning existing scripts.
* Implement and maintain continuous build and deployment mechanisms.
* Identifying and driving automation of tasks associated with continuous integration and release process enough understanding to debug or specify major component areas where major bugs or build failures occur.
* Experience in configuration management and release engineering in multiple-branches environment.
* Giving knowledge to developers about version control and build/release concepts
* Worked closely with application developers to devise robust deployment, operating, monitoring, reporting for the applications
* Participated in the release cycle of the product which involves environments like Development QA, UAT.
* Used GIT for branching, tagging, and merging
* Worked on Devops environment and worked on Ansible
* Installed AnsiElastic search experience and capacity planning and cluster maintenance. Continuously looks for ways to improve and sets a very high bar in terms of quality.ble and written simple playbooks
* Taking Care of Patch and Load build Requests from Development Team
* Helping developer’s issues that are related to version control.
* Generate report and send an email to managers about status of daily builds and weekly builds.
* Documenting SCM guide and responsible for maintaining it.
* Proven Track record in meeting the goals and delivering the deliverables within deadlines without slippages.
* Configured logstash: input, filter, output plugins - database, jms, log file sources and elastic search as output converting search indexes to Elastic with large amount of data.
* Solid experience with linux(Ubuntu,Centos)administration.
* Abilitiy to work effectively within a team and with minimal supervision.
* Experience with container orchestration system such as AWS ECS or Kubernetes.
* Experrience with server side techologies such as apache,Nginx,HAProxy, and Redis.
* Shell programming experience with bash,strong commond-line,and expereince with python.
* Expereince with server monitoring system like prometheus or Nagios(and derivatives).
* Server automation with terraform and ansible/puppet or other configuration managament tools.
* Experince as an Administration for CI/CD tools like Teamcity and Jenkins.Also worked on major application issues with Teamcity and resolved them.
* Experience in working on source control tools like SVN and GIT.Working as an admin Binary artifactory management tools like Jfrog Artifactory.
* Maintenance of continuous integration based on Teamcity which includes Managing and checking the overall server health and functionality monitoring the teamcity build queue frequently to make sure all the projects Builds are running as per the schedule.
* Gather and analyze application logs, troubleshoot and debug application issues.Perform RCA for major Incident related to proceed define for the engagement.perform trend analysis identify top few incidents and work with respective teams/individuals to minimize the incidents.
* Troubleshooting problems and user queries on jira,Github,Teamcity and Artifactory application.
* Worked on end to end requirements for Bugzilla and VersionOne for request like creating new projects,managing existing projects, creating custom fields and keyword, managing workflows generating reports.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Design of Cloud architectures for customers looking to migrate or develop new **PaaS, IaaS, or hybrid solutions utilizing Amazon Web Services (AWS).**
* Provisioned **RedHat** Enterprise Linux Server using PXE Boot according to requirements.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Created **Jenkins** CICD pipelines for continuous build & deployment and integrated **Junit** and **SonarQube** plugins in Jenkins for automated testing and for Code quality check.
* Building/Maintaining **Docker**container clusters managed by **Kubernetes Linux, Bash, GIT**, **Docker, on AWS**
* Installed and configured **Confluence** as the enterprise wiki to document development and change management procedures.
* Installed and administered **Nexus** repository to deploy the artifacts generated by **Maven** and to store the dependent jars which are used during the build.
* Writing **build (Maven) and deployment**scripts (Shell) to automate **build** and deployment of the application.

**Educational Qualifications:**

* **B.E** from Dr Sri Sri Sri Shivakumara Swamy college of Engineering, VTU in 2012

**Presently Working as a Technical Lead With Velankani Software Private ltd, Bangalore from May 2020 to till date.**

**TECHNICAL SKILLS:**

**Cloud Services:** AWS (EC2, S3, CloudWatch, RDS, Elastic Cache, IAM)

**Configuration Management tools:** Ansible, ANT, Maven, Make

**OS Platforms:** UNIX (Solaris 8,9,10), Linux 5/6, Ubuntu,Windows 2008,2012

**SCM/Version Control Tools:** Subversion, GIT, Tortoise SVN,GITLAB,BITBUCKET,CVS

**Web Service Tools:** JBoss, Apache Tomcat 5.x, IntelliJ IDEA,,JBoss

**CI Tools:** Jenkins/Hudson, Teamcity

**SDLC:** Agile, Waterfall Methodologies

**Database Systems:** SQL Server 2008/2012, Postgres, MongoDB.

**Ticketing/Bug Tracking:** Jira, Bugzilla, Zendesk

**Virtualization:** VMware,

**Monitoring tools:** Nagios, DataDog, Splunk.

**Container Technologies:** Vagrant, Docker.

**Network Protocols:** SMTP, SNMP, ICMP, TCP/IP, FTP, TELNET, NIS, LDAP, UDP

**Professional Experience:**

**Company : Medtran Software Solutions**

**Duration : Jan 2013 to March 2017**

**Designation : AWS/DevOps Engineer.**

**Company : Vivid InfoTech Software Solutions, Bangalore.**

**Duration : March 2017 – Dec 2017**

**Designation : AWS/DevOps Engineer.**

**Company : Bestinet India Private Limited**

**Duration : JAN 2018 – April 2019**

**Designation : DevOps Build and Release Engineer/AWS.**

**Company : infogain India Private limited**

**Duration : May 2019 – May 2020**

**Designation : Senior DevOps and AWS Engineer**

**Company : Velankani Software Private Limited**

**Duration : June 2020 – Present**

**Designation : Technical Lead**

**Roles & Responsibilities:**

* Handling AWS Environments of more than 50 customers of Bluesentryit.
* Taking care of Scheduled tasks and requests from customers.
* Creating EC2 instances, VPC and Autoscaling.
* Taking care of automated backups and manual as well.
* Using AWS Lmbda functions to automate backups for clients and SNS for notifications.
* Make sure environments are secure by updating NACL, security groups.
* Tracking project in Jira and documentation in Confluence.
* Monitoring metrics using Data Dog and AWS Console.
* Using Pagerduty for schedule and alerts resolution.
* Providing error reports weekly to analyze and rectify errors.
* Cloudformation service as DNS on AWS cloud.
* Auto scaled instances to scale up or scale down instances.
* RDS service for Database instances.
* Providing Global Search with Elasticsearch
* Written watcher alerts based on required scenarios.
* Developed APIs for integration with various data sources.
* Implemented cloud based integrations with elastic.
* Build visualization and Dashboards using kibana.
* Manage regular changes in priority due to customer priority changes.
* Written the Grok pattern in logstash.

Environment: Elasticsearch, Logstash, Kibana

**Roles & Responsibilities:**

* Good experience in Amazon Web Services environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load Balancers, Elastic Container Service, S3, Cloud Front, Elastic File system, RDS, VPC, Route53, Cloud watch, Cloud trail, Cloud Formation.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
* Setup/Managing VPC, Subnets make connection between different zones
* Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon Cloud Watch, SNS
* Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
* Manage and configure AWS services as per the business needs (ELB, SNS, EC2, Route 53, S3, RDS, Cloud Watch, IAM, and VPC.
* Backup and recovery of RDS instances.
* MySQL Database security, creating users and managing permissions.
* Installed and Setup Web Servers ( Apache and Tomcat ), DB Server ( MySQL)
* Managing DNS Records.
* Strong Experience in Amazon EC2 setting up instances, VPCs, and security groups.
* Worked on Production Server's on Amazon Cloud (EC2, EBS, RDS, and S3).
* Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3 bucket.
* Excelled on creating AMI (AWS Machine Images) that utilizes ELB (Elastic Load Balancer) and Auto Scaling.
* Created alarms in Cloud watch service for monitoring the server performance.
* Implemented, deployed and maintained cloud infrastructure using AWS.
* Maintaining the user accounts (IAM), RDS, Route 53, SNS services in AWS cloud.
* Proficient with best practices regarding AWS Auto scaling, Fault Tolerant Architecture and Disaster Recovery.
* Having good knowledge on Automation Chef, Jenkins, GIT, GIT Hub
* Cloud Configuration Management using Chef, user-data.
* Installed Anisble and managed servers using Ansible
* GIT administration and supporting source code management services
* Worked on CI/CD tools like Jenkins and teamcity.
* Worked on MYSQL and MONGODB.
* Worked on CT tool like jenkins,Created jobs,installed plugins and automated build processes.
* Worked on Redis cache,LDAP and Apache directory studios.
* Worked on JBOSS and JFUSE
* Worked on Build tools like Maven and ANT make.
* Taking Care of Patch and Load build Requests from Development Team
* Building infrastructures for the components of tom-tom inside the docker and locally to run those components inside the docker by replying the war file into the web servers, application servers.
* Have communicated with different teams for the configuration of the application of TOMTOM within the docker container.
* Have worked deeply in build tools like maven and its configuration file of POM.xml for automatic extraction of the code and running of the scripts at the runtime.
* Have worked on various code repositioning like Nexus, Artifactory from where the artefacts are getting extracted at the runtime.
* Building infrastructures for the components of tom-tom inside the docker and locally to run those components inside the docker by replying the war file into the web servers, application servers.
* Coordinating with development team to fix build and configuration issues
* Self-motivated, inventive, ready to take initiatives for new upcoming tasks
* Able to pick up new technologies within a short stint and adapt to rapid change of environment.
* Measurement, optimization and tuning of system performance and ensuring that systems will run reliably and are highly available in a 24/7 production environment
* Actively monitor and administer the applications and hosting environment to increase efficiency, improve reliability, and minimize downtimes.
* Experience with configuration management, provisioning infrastructure as code and other DevOps concepts and tools.
* Experience with delivering infrastructure(terraform) through industry best practice of automation and controlled by a configuration management framework.
* **Environment:** Devops, Build release,Teamcity, UNIX, Linux, shell scripting, AWS, Jenkins, Ansible,GIT,MAKEFile,Ant,Python,Buildforge,Bugzilla,JIRA,C/C++,Java,Docker,Ansible,Kubernetes Python.ELK,Kibana,Elastisearch,logstash,filebeats,DataDog,SonarQube

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