JALIGAM AKHIL KUMAR

DEVOPS AWS ENGINEER

+91 8106759501

Akhilkumar00789@gmail.com

ABOUT ME

Overall, 3.5 years' experience in IT Industry as a DevOps AWS Engineer, with Configuration Management, Build, Release Management and Quality Assurance using CVS, Subversion, GIT, Mercurial & Clear Quest on UNIX and Windows environment. Knowledge ofpuppet as a Configuration Management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively manage change. Set up the framework for one click's build and deployment on non-production environments.

EDUCATION

MBA 2018
Aurora P.G College Osmania University

B.sc 2016
Government City College, Osmania University

XII 2013
Sri Gayatri Jr.College(M.P.C)

X 2011
New Brilliant High School

CORE SKILLS

- COMMUNICATION & COLLABORATION
- SOFT SKILLS & NOBLE THOUG HT
- UNDERSTANDING RELEVANT TOOLS
- SECURITY SKILLS
- AUTOMATION SKILLS
- CODING AND SCRIPTING
- CLOUD SKILLS
- TESTING SKILLS
- FOCUSED APPROACH
- PROACTIVENESS

TECHNICAL SKILLS

Cloud Computing	AWS	Virtualization Tools	DOCKER, VMWARE, VIRTUALBOX
Source code management	GIT, GITHUB	Monitoring Tools	NAGIOS, PROMETHEUS, LOGSTASH, KIBANA, ELASTICSEARCH
Build Tools	ANT, MAVEN, GRADLE		
CI Tools	JENKINS, KUBERNETS, TERRAFORM	Web/App Servers	TOMCAT, WEBLOGIC, JBOSS & NGINX
Configuration Management	CHEF, ANSIBLE, PUPPET	Operating Systems	WINDOWS, LINUX/RHEL

EXPERIENCE

Nov 2018 - Present
DevOps AWS at SOFTPILLAR TECHNOLOGIES PVT LTD

HIGHLIGHTS

Guided the PG level projects for the M.Tech and B.Tech students; ensured adherence to university policies and academic regulations.

Published paper in International Journal of Electronics and Communication Engineering (13 ECE), ISSN on 'Performance Evaluation of CIuster Tree Topology based Wireless Sensor Networks'.

Implemented effective solutions to the student needs with an aim to improve students' academic and extracurricular performance.

Worked as Training and Placement Coordinator for ECE department in Swarnandhra College of Engineering and Technology for 4 years.

PROJECTS DELIVERED

Project 1:

Role: DevOps AWS Engineer

Project Description:

- Worked with AWS Simple Storage Service (S3) and Glacier for storage and backup.
- Designed and Developed automation test scripts using Python.
- Automated Deployment of Java based applications into Tomcat, WebLogic servers using Chef and Jenkins.
- Used JIRA to capture, organize and prioritize issues and partially administering issue management.
- Coordinated developers with establishing and applying appropriate branching, naming conventions using GIT.
- Used Maven as a build tool for the building of the deployable artifacts from the source code.
- Integrated Jenkins with various DevOps tools such as GIT, Maven, Junit, and Nexus and developed Jenkins jobs to automatically manage, test and deploy code and applications.
- Created, tested and deployed an End-to-End CI/CD pipeline for various applications using Jenkins.
- Designed, installed and implemented Ansible configuration management system, written Ansible playbooks and deployed applications

- Written Chef Cookbooks tested them using Food critic and Test Kitchen, deployed cookbooks on multiple nodes managed by on premise Chef Server.

- Configured and monitored distributed and multi-platform servers using chef. Defined Chef Server and workstation to manage and configure nodes.

- Used Docker to virtualize the servers for the Dev and Test environment needs and Docker Swarm to maintain the cluster of containers.

- Provisioned the highly available EC2 Instances using Terraform and Cloud Formation Templates and written new plugins to support new functionality in Terraform.

- Used Amazon Cloud Watch for monitoring the performance of the EC2 instances.

- Launched Elastic Cloud Compute (EC2) instances on different Linux flavors and configured AWS IAM roles for EC2 instances.

- Used AWS Identity Access Management (IAM) to create users, groups.

- Environment: AWS, GIT, Maven, Chef, Ansible, Terraform, Jenkins, Docker, JIRA, Python, Ruby, and Bash scripts.

PROJECTS DELIVERED

Project 2:

Role: DevOps AWS Engineer

Project Description:

- Designed, configured and managed public/private cloud infrastructures using AWS, including EC2, VPC, AWS Lambda, Elastic Load Balancer, Cloud Watch and IAM.

- Installed and configured Jenkins and created master and slave nodes for handling multiple builds, installing plugins wherever required for the implementation of the builds.

- Implemented Docker containers to create various environments to deploy the applications.

- Configured Docker containers and created Docker files for different environments.

- Used Ansible as Configuration management tool to automate repetitive tasks and to quickly deploy critical applications by using Ansible Playbooks, Modules and Roles.

- Installed Chef Server on the workstation and bootstrapped the nodes using Knife and involved in writing Chef Cookbooks and recipes to automate the deployment process.

- Worked in the Chef environment for configuration management of existing instances on AWS and data centers.

- Replaced the use of CFTs with Terraform to not be fully locked into a single cloud provider and managed different infrastructure resources like Physical Machines, VMs and Docker Containers using Terraform.

- Used Cloud Front to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end server.

- Used Amazon Route53 to manage DNS zones globally as well as to give public DNS names to ELB's and Cloud front for Content Delivery.

- Managed EC2 instances utilizing Launch Configuration, Auto scaling, Elastic Load balancing, automated the process of provisioning infrastructure using Cloud Formation templates, and used Cloud Watch to create alarms and monitor environments.

- Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.

- Involved in launching EC2 instances on different Linux flavors and assigned IAM roles to them.

- Provided highly durable and available data by using S3 data store, versioning, and lifecycle policies.

- Involved in Migrating servers, databases, and applications from on premise datacenters to Amazon Web Services (AWS).

- Integrated Jenkins with various DevOps tools such as Nexus, SonarQube, Chef, Git and Maven, developed Jenkins jobs to automatically manage, test, and deploy code and applications.

- Developed Python and Bash scripts for automation of the Build and Release process.

- Supported and deployed to web application servers such as WebLogic, JBOSS, Tomcat, and Apache HTTPD servers.

- Used JIRA as a Ticketing tool and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS lambda and CloudWatch.

- Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.

- Wrote Maven build scripts for creating jar, war and ear artifacts, which were then deployed to Tomcat and WebLogic.

- Configured, implemented & Administered SVN for version control to include branching and merge management.

- Worked on integrating GIT into the continuous Integration environment along with Jenkins.

- Automated the process of continuous integration and deployments using Jenkins, Docker, Chef and AWS Cloud Formation Templates.

- Environment: AWS, Chef, Ansible, Terraform, Docker, GIT, Maven, Jenkins, Junit, Nexus, Zira, ELK, Python, Ruby, and Bash scripts.