**Nikhit Chaluvadi**

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**Summary:**

* 8+ years of experience in Information Technology with a background in DevOps, Build & Release Engineering, Test Automation, IT Monitoring, Business and Systems Analysis, Installation and Software Configuration Management seeking position as a DevOps professional to educate and implement DevOps best practices, streamline Agile SDLC and optimize time to deliver applications.
* 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).
* Experience in using Configuration management software's like Chef, Ansible and Puppet for Automation.
* Expert in SCM tools such as GIT, TFS, and Subversion.
* Hands on with different Bug Tracking Tools such as Rally, Jira, Bugzilla, Clear Quest and Remedy.
* Multithreading, multi-processing, concurrency and TCP/IP Socket Programming.
* Working experience of LDAP, NIS, DHCP, TCP/IP NFS & DNS.
* Familiar with concepts of Hashicorp Tools like Atlas, Packer, Terraform, Console, Serf and Vagrant.
* Experience in Implementing AWS solutions using EC2, S3, RDS, EBS, EMR, Elastic Load Balancer, Auto scaling groups.
* Implemented and maintained the branching, merging and building/release strategies utilizing subversion.
* Kernel configurations on Red hat Linux, CentOS, SUSE, Debian 7, Ubuntu 12.x/13.x in a DevOps Environment with CI/CD as iterative process.
* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups.
* Configured and installed monitoring tools Grafana, Kibana, Logstash and Elastic Search on the servers.
* Good exposure to Software Development Life Cycle, SCM practices along with software Build and Release Management methodologies.
* Skilled enough to build deployment, Build scripts and automated solutions (using scripting languages such as Python, Shell, Bash, Linux.).
* Worked on several DevOps tools Subversion(SVN), GIT, Ant, MAVEN, Puppet, Chef, Ansible and Docker for Build, deploy, continuous integration to help developers work in an Agile environment.
* Ability to lead technical discussions and projects with Atlassian products like Confluence, etc.,
* Experience on Production systems troubleshooting, root cause analysts, performance monitoring and improvements.
* Proficient in monitoring exiting raw data using Kibana dashboards visualization.
* Expertise in Querying RDBMS such as Oracle, cock MYSQL and SQL Server by using SQL for data integrity.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
* Involved in handling Tickets, Monitoring, Troubleshooting and maintenance for Day to day Activities.
* Highly-motivated and able to work with low supervision independently as well as in a team environment. Have practical and terrific trouble shooting skills.
* Experienced in using advanced Postgres SQL/MYSQL features like table partitioning and different types of oracle indexing.

**Technical Skills:**

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| **Operating Systems** | Windows 2000/ windows 7-8-10 enterprise, Linux (RHEL). Linux, Ubuntu, RHEL 6-7, Unix, Vagrant |
| **Databases** | Oracle 11g/12c, SQL, PL/SQL, MySQL, NoSQL, PostgreSQL, Dynamo DB, Sybase, DB2 |
| **Source controls & Build and Deployment Tools** | Jazz RTC, Jenkins, Bamboo, VNS, Rational Clear case, Python, Unix, Maven and Gradle builds and configurations |
| **Scripts/Programming Languages** | Java, C, Object Oriented Programming, Python, Shell, Perl, Rucby, JSON, XML, Node.js, .Net |
| **Java/J2EE Technologies** | J2EE, Spring MVC |
| **Web Technologies** | Java Script, HTML. |
| **IDE/Tools** | hEclipse, Toad, Putty, Win Scp, VNC Viewer, SQL Developer, BMC Remedy, BMC Patrol, Mercury BAC etc.. |
| **Application/Web Servers** | Web Logic, Web sphere, Sun Solaris Web server, Apache HTTP Server, JBoss, Nginx and Tomcat |
| **AWS services** | Lambda functions, EC2, VPC, Subnets, API Gateway, S3, Cloud formation, Cloud watch, Events, SnS, ECR, ECS, IAM, Elastic cache, RDS, Open Stack, Azure and etc.. |
| **Configuration Management** | Puppet, Ansible, Chef, SaltStack |
| **Containers** | Docker, Kubernetes, OpenShift, ECS, Mesos/Marathon |
| **Repository management and Monitoring Tools** | Artifactory, Nexus, J Frog, Splunk, Nagios, New Relic, Cloud watch, Kibana |
| **Networking/ Protocols** | TCP/IP, SOAP, REST API, Routing Protocols, Subnets, VPN |
| **Others** | Media Wiki Admin and configuration, Oracle privileged account manager (OPAM), VMware, Selenium, Junit. |

**Professional Experience:**

**Client: UCLA, Los Angeles, CA February 2017 – Present**

**Role: Sr. DevOps & AWS Engineer**

**Responsibilities:**

* Involved in designing and deploying multitude applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud Formation.
* Responsible for Design of different Release Environments for new projects.
* Designing and deploying a multitude of applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto scaling in AWS Cloud formation.
* Experienced in JBOSS, Apache Tomcat, IIS, Apache HTTP Sun One (Web/Application Servers) administration such as Installation, configuration and administration in different environments.
* Created the AWS VPC network for the Installed Instances and configured the Security Groups and Elastic IP's accordingly. Using Cloud Trail, Cloud Passage, Check Marx, Qualys Scan tools for AWS security and scanning.
* Built scripts using ANT and MAVEN build tools in Jenkins to move from one environment to other environments.
* Automation of various administrative tasks on multiple servers using Ansible. Demonstrated on Ansible along with Ansible Tower can be used to automate different software development processes all over the team organization.
* Configuration Automation using Ansible and Docker Containers. Implemented and designed AWS virtual servers by Ansible roles to ensure deployment of web applications.
* Using Ansible with AWS allowed me to reduce costs for the department and eliminate unwarranted resources.
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus.
* Used Jenkins to automate everyday builds, testing and deployed in antifactory and tomcat servers.
* Worked DevOps methodologies and cloud infrastructure automation tools like AWS by using Terraform.
* Experience in Setting up the build and deployment automation for Terraform scripts using Jenkins. Involved in using Terraform migrate legacy and monolithic systems to Amazon Web Services.
* Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.
* Worked with Version control tools Subversion/Git Branching, Merge Strategies, migrated projects from Subversion repositories to GitHub Enterprise repositories through Team Foundation server (TFS).
* Used Kubernetes for container operations in AWS, used Kubernetes clusters as a network and load balancer, also Kubernetes is also good at running web applications in a cluster way, also used in multiple services by creating images and reduced space
* Point team player on Kubernetes for creating new Projects, Services for load balancing and adding. them to Routes to be accessible from outside, Creation of Pods through new application and control the scaling of pods, troubleshooting pods through ssh and logs, writing/modification of Buildconfigs, templates, Image stream etc.
* Used Rabbit Message Queuing (RabbitMQ) for Transport protocol between distributed systems. Incorporated RabbitMQ as message broker to decouple back-end services.
* Integrated Jenkins with various DevOps tools such as Nexus, SonarQube and used CI/CD system of Jenkins on Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
* Experience in creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch.
* SCM is performed using GIT from master repository and knowledge on container management using Docker by creating Docker images. Worked on NoSQL DBs MongoDB, Cassandra for relational database purposes.
* Working on DevOps platform and have gained experience in specialized areas related to Chef for Cloud Automation.
* Implemented Active Directory LDS for External LDAP Authentication for external schools. Converted all Cloud Formation templates to Terraform for infrastructure as code.
* Created Python Scripts to Automate AWS services, include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, S3 bucket and application configuration, this Script creates stacks, single servers or joins web servers to stacks. Used S3 for simple storage service, moved files and used Snowball service for as part of migration.
* Managed internal deployments of monitoring and alarm services for the Azure Infrastructure.
* Experience in configuring Splunk and Integrated Splunk with Active directory and LDAP authentication. Working experience on LDAP, NIS, DHCP, TCP/IP, DNS.
* Extensive experience on Open stack, knowledge in Dynamite, Autosys, JFrog, App dynamics, Zabbix monitoring Tool, Bitbucket, NoSQL like Redis.

**Environment: GIT, Jenkins, Chef, SVN, Splunk, Ansible, Lambda, AWS EC2, AWS S3 and RDS, Beanstalk, AWS ELB, ruby, python, SQS, Cloud Watch and Route 53, Kibana, ANT, MAVEN, Shell(bash), TFS, uDeploy, Nagios, Apache Tomcat Application Server, Docker.**

**Client: PAYCHEX, Webster, NY Nov 2015 to Jan 2017**

**Role: AWS/DevOps Engineer**

**Responsibilities:**

* Working on AWS EC2 Instances creation, setting up AWS VPC, launching AWS EC2 instances different kind of private and public subnets based on the requirements for each of the applications.
* Working on AWS Elastic load balancing for deploying applications in high availability.
* Working on AWS Auto Scaling for providing high availability of applications and EC2 instances based on the load of applications by using AWS Cloud Watcher.
* Built Jenkins jobs to create AWS infrastructure from GitHub repos.
* Used AWS S3 to store code bundles to deploy onto AWS EC2 Instances.
* Have experience in setting up SNS in AWS.
* Responsible for managing AWS infrastructure provisioning and deployment and EC2 Installs with CentOS, Ubuntu and RHEL 6 and Linux.
* Worked hands-on to create automated, containerized cloud application platforms (PAAS), and design and implement DevOps processes that use those platforms.
* Designing and implementing fully automated server build management, monitoring and deployment By Using Technologies like Puppet.
* Managed Kubernetes charts using Helm and created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure and created Jenkins jobs to deploy applications to Kubernetes Cluster.
* Deployed Puppet, puppet Dashboard for configuration management to existing infrastructure.
* Involved in creating EAR files using Business Studio, BW processes and deploying it.
* Built Jenkins jobs to create and build from SVN repos containing Ansible code.
* Managed Cloud Bees Jenkins Operations Center which is an operations console for Jenkins that allows managing the multiple Jenkins masters within the organization.
* Experience in CJOC's concepts like Operations center server, Client master, Shared agent, shared cloud, folders and Sub-Licensing.
* Installed and configured Jenkins on Linux and windows environments to implement the Continuous Integration process and created a master and slave configuration through a build farm for implementation of multiple parallel builds.
* Set up Jenkins server and build jobs to provide continuous automated builds based on polling the SVN source control system during the day and periodic scheduled builds overnight to support development needs using Jenkins, JUnit, Selenium and Maven.
* Able to create scripts for system administration using languages such as BASH and Python.
* Set up and maintain continuous automated build system with Jenkins, ClearCase and Perl/Python scripting.
* Implemented Python scripts by using stranded libraries for getting all the agent logs.
* Worked on Ansible for configuration management and infrastructure automation
* Worked on Ansible Automation including writing playbooks and customized modules for test driven development environments.
* Automated installing the Linux packages and administering Linux service using Ansible, and automating product installation configuration
* Monitoring of Application and Servers through Nagios. Web Servers Administration on Apache.
* Used Apache Tomcat as application server for deploying the artifacts.
* Used JIRA tool to create and update stories and for tracking project status.
* Providing documentation on Install, Upgrade release guides for application to documentation team.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Deployed code on Web Logic Application Servers for UAT and Development environments.
* Coordinate with Release Management regarding appropriate system releases among other development platforms.

**Environment: AWS(EC2, VPC, S3, Cloud Trail and Route 53), AWS Cloud Watch, AWS CLI, AWS Auto- scaling, AWS Load balancers, AWS EC2, AWS VPC, AWS S3, CentOS, Ubuntu, GitHub, Puppet, Jenkins, SVN, Cloud Bees, Cloud Formation, SNS, Linux, RHEL 6, Windows, Maven, Nagios, Selenium, BASH, Python, Kubernetes, Docker, Python Scripts, Ansible, Apache Tomcat, JIRA, WEB Logic.**

**West Corporation, Omaha, NE Aug 2014 to Oct 2015**

**Role: Java/AWS Developer**

**Responsibilities:**

* Configured AWS Cloud platform and its features which include EC2, VPC, AMIs, EBS, ELB, SNS, RDS, SQS, Cloud Watch, Cloud Trail, Cloud Formation, Auto scaling, Cloud Front, S3, and Route53.
* Configured AWS Identity and Access Management (IAM) Groups and Users for login authentication. Auto scaling the instances to design cost effective, fault tolerant and highly reliable systems.
* Integrated Amazon Cloud Watch with Amazon EC2 instances for monitoring the log files, store them and track metrics.
* Created AWS S3 buckets, performed folder management in each bucket, Managed cloud trail logs and objects within each bucket.
* Created AWS Lambda using java to perform event driven processing.
* Used Dynamo DB to store the data for metrics and backend reports.
* Used Jenkins and AWS Code Deploy plug-in to deploy the application into AWS cloud.
* Built Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code.
* Developed Restful APIs and micro services using spring, Hibernate and Jersey.
* Managed Cloud Trail to record API calls and integrate with SNS services for notification.
* Developed Java API to interact with the Amazon SQS used for sending bulk emails.
* Developed modules using Core Java APIs, Java collection, Java 8(Streams), multi-threading, and object-oriented designs.
* Used core Technologies like Java, J2EE, Micro services, Spring Boot, Spring MVC, Spring Integration, Spring Security, JavaBeans, Mockito, Web services.
* Implemented JAVA/J2EEApplication development using IDE tools like Netbeans7.1.2, IntelliJ IDEA
* Implemented MVC architecture by using Struts/Swings to send and receive the data from front- end to business layer.
* Designed and developed JMS messaging services using J2EE by developing queues /Topic, sessions and endpoints in ESB.
* Developed front end using the JSF, JSTL, XML, HTML5, CSS3, JavaScript, JQuery, JSON, Node.js and Backbone.js and Angular JS.
* Redesigning the existing web application with new technologies like Bootstrap and Angular JS.
* Involved in the development of the User Interface using JSP, JQuery and client-side validations using JavaScript and CSS.
* Used JAX-RS for creating RESTful web service where the request and response are in JSON format.
* Used MAVEN to build, package, test and deploy application in application server.
* Worked in writing the complex SQL queries using joins.
* Hands on experience using Apache Tomcat as application servers to handle the deployments of different applications.
* Experience with designing and building solutions for data ingestion both real time & batch using Kafka and used apache Kafka for importing real time network log data into HDFS.
* Developed test cases using Spock and Junit testing frameworks.
* Involved in developing JUnit Test Cases to validate the type of data in the XML Files. Used Log4J for logging and tracing the messages.
* Experienced in branching, tagging and maintaining the version across the environments using SCM tools like GIT, Subversion (SVN) on Linux and windows platforms.
* Hands on Experience with Agile Method and used JIRA to create Epics, tasks and subtasks.

**Environment: Java 1.8, Netbeans7.1.2, IntelliJ IDEA, JQuery, spring, Hibernate, Struts, Spring 4.0, Web Services (RESTFUL), Solaris, Oracle 11g, DB2, SQL, MVC, Jersey, Scala, JSON, JAXB, Unix, Linux, Log4j, Junit, STS, Apache Tomcat, Gradle, GitHub, JIRA, EC2, S3, VPC, Redshift, SQS, SNS, SWF, IAM, EMR, Cloud watch, MongoDB, AWS Lambda.**

**Pfizer, Lake forest, IL Jan 2014 to June 2014**

**DevOps Engineer**

**Responsibilities:**

* Helped Developers to follow J2EE standards for an application with 700+ lines of code (LOC).
* Experience in migrating physical Linux/Windows servers to cloud (AWS).
* Implemented a Continuous Delivery pipeline with Docker, and GitHub and AWS
* Created Cloud Formation templates for deploying AWS resources though Jenkins.
* With Kubernetes, we could quickly and efficiently respond to changes on demand. Deployed our applications quickly and predictably.
* Installed and configured various middleware packages such as WebLogic, Tomcat and JBOSS servers.
* Responsible for Deployment and management of many servers via scripts chef and Salt.
* Implemented continuous deployment pipeline with Jenkins and Jenkins workflow on Kubernetes
* Worked on a script to rebalance Kafka topics in an automated fashion using ruby and Kafka binaries.
* Installed and configured Confluence as the enterprise wiki to document development and change management procedures.
* Debug complex Splunk configuration issues.
* Streamlined the CI/CD process for application deployments by enforcing strong source code repository management techniques and securing configuration files away from application source code for improved security.
* Evaluated Apache and Kubernetes for Docker container orchestration Deploying and managing many servers utilizing both traditional and cloud oriented providers (Azure) with the Chef platform configuration system
* Setup up and maintenance of automated environment using Chef recipes& cookbooks within Azure environment.
* Used Kubernetes - an open-source platform for automating deployment, scaling, and operations of application containers across clusters of hosts, providing container-centric infrastructure.
* Developed Ansible playbooks to configure, deploy and maintain software components on existing and new infrastructure
* Experience in using version controller tools like Subversion (SVN), GIT, Team Foundation server (TFS).
* Used logs on Splunk, Kibana, AppDynamics to monitor logs.
* Involved in writing Ansible playbooks to install and configure Apache, tomcat, Jenkins, RunDeck.
* Administered and Maintained WAS Network Deployment Manager clusters (vertical, horizontal) and deployed applications in highly available, load balanced production environments.
* Administered WebSphere application server in the UNIX platform for dev, QA and prod environments.

**Environment: DevOps, Chef, Jenkins, Bamboo, AWS Cloud, Nagios, Redhat, CentOS, NFS, NIS, SSL, HTTP, LINUX.**

**IDBI Bank, Hyderabad, India Nov 2011 to Dec 2013**

**Role: Java Developer**

**Project: Finacle Banking solution**

**Description:** Origination module in Finacle is about Account Opening for various customers coming to a bank. It involves running of different process steps which will validate the customer. This Origination module will be integrated with other third party applications like FI (Finacle Integrator), CORE

**Responsibilities:**

* Configured bean dependencies, Spring-Hibernate transaction manager in Spring Application Context XML to support IOC and transaction management.
* Configured Messages driven beans, JMS properties, Factory pattern beans in spring configuration file
* Developed POJO’s that will use dependency injections configured in the spring context file.
* Configured data sources and DB connection parameters in spring configuration file.
* Used Spring Interceptors to validate web service requests and enables notifications in my project.
* Performed Inheritance based OR mappings in hibernate configuration files to modify the data in tables through JAVA objects.
* Performed Inheritance based OR mappings in tables to modify the data in HIBERNATE.
* Designed and developed Entity Relationship Tools to display the entity to entity relationships in relationship tree view using Tree components
* Implemented DAO classes to retrieve the profile information for all entities and did other configurations using JDBC
* Implemented J2EE Design Patterns like MVC, Front Controller, and Business Delegate
* Developed the entire application using Eclipse

**Environment: JDK 1.6, J2EE, Spring 3x, JavaScript, Eclipse, HTML, Servlets, Tomcat Server, XML, MYSQL, Apache, and SQL Server and Hibernate 3x**

**BEE Software Solutions, Hyderabad, India Jul 2010 to Oct 2011**

**Role: Jr. Java Developer**

**Responsibilities:**

* Involved in SDLC- Requirements gathering, Conceptual Design, Analysis, Development, System Testing and User Acceptance Testing.
* Experience in core java OOPS concepts like Polymorphism, Encapsulation, multithreading, Collection etc.
* Implemented Use Case Diagrams and Sequence Diagrams during the design phase using Rational Rose.
* Designed and developed the UI using JSP, HTML, CSS and JavaScript.
* Developed user interface with Servlets and JSP.
* Responsible in creating Servlets, which route submittals to appropriate Enterprise Java Bean (EJB) components and render, retrieved information.
* Involved in implementing the DAO pattern for database connectivity and used the JDBC API extensively.
* Used Waterfall approach for the Software Development
* Also, worked with the PDF and EXCEL format file download of user data on JSP's when user wanted to save his/her personal data on JSP page tables.
* Involved in collecting requirements from Business Users and Data Modeling, designing and developing Tools using J2EE, Java, Servlets, EJB, and JSP.
* Worked on WSDL's files in SOAP web services for publishing Services and for consume some web services.
* Involved in writing complex queries using PL/SQL to extract data from database and to delete the data and to reload the data on Oracle database
* Used another Jakarta commons logging, ANT and SVN.

**Environment: Java 1.6, XML, XSL, JDBC, SQL, PL/SQL, SOAP, Eclipse, Ant, SVN.**