**DEEPAK KUMAR DUBEY**

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Introduction:

Devops Engineer with 9+ year of hand-on Experience in architecting/automating and optimizing mission critical deployments over large infrastructure. Proficient with configuration Management tool, and in developing CI/CD pipelines.

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Experience:

* Certified AWS Solution Architect - Certified & Having 9 years of experience in DevOps, SCM, Change/Incident Management, AWS Cloud Management and Middleware WebLogic Application Server, Jboss, tomcat, Nginix, IIS
* Certified Scrum Master with 3+ years of experience and a proven track record of raising revenue and cutting costs.
* Experience in Configuration Management, involving extensive work towards code compilation, building, and automating, managing and deploying code across multiple environments.
* Handled configuration-management, application deployment, Cloud provisioning, ad-hoc task-execution, and multi node orchestration using Ansible.
* Good Experience to work on java project development, deployment and support role.
* Experience with and thorough understanding of automated implementation/deployment of a Cloud based infrastructure (Web apps, Application Service Environments, load balancers, storage, monitoring, security, AD, DNS etc.)
* Experience in creating Virtual instances with Docker. Also created Docker Containers and maintained Docker images.
* Good experience to work on application server and middleware technologies
* Good patching experience for Linux, Centos and mac server
* Experienced in implementing Puppet and Ansible
* Build and Continuous Integration with Maven and Jenkins.
* Experience with Version Control Systems like GIT.
* Experience in using Build Automation scripting like MAVEN as build tools for building of deployable artifacts (JAR, WAR & EAR and DLL & EXE) from source code.
* Configured Clusters, Load-balancing, High availability and fail-over solutions & Web Server plugins for WebLogic application server.
* Tuning of application server by modifying Execute Queue Thread / Sun JVM heap parameters.
* Knowledge on Configuring In-Memory Replication, File System Persistence, JDBC Persistence
* Responsible for collecting all Thread dumps for troubleshooting issues and fixed them through tools like Samurai.
* Responsible for collecting and analyzing JVM Crash data / core dumps and provide a detailed report for Root Cause Analysis.
* Configured JMS connection factories, queues and topics.
* Maintained multiple AWS accounts and the Infrastructure (PROD, QA.UAT, DEV) and the applications deployed across the environments adopting latest devops trends.
* Have setup an automatic deployment using Ansible Playbooks to deploy multiple sites using Bitbucket repository and Jenkins.
* For Log Analysis have setup a ELK stack in our client environment.
* Expertise in tomcat installation & tuning the performance and deploying applications in production and non-production environment using DevOps methodologies and tools (GitHub, Jenkins, Ansible Playbooks)
* Involved in tuning the server parameters, JVM parameters and garbage collection parameters.
* Exploring new application & infrastructure automation trends that meets the business needs of applications in the fast-paced agile IT practice.
* Experience in ITIL concepts.
* Worked on puppet to deploy the SSO installers in multiple clusters.
* Integration of Apache with WebLogic Using Proxy-Plugin.
* Configured SSL for Tomcat and WebLogic through ansible playbooks.
* Skilled in leadership, self-motivated and ability to Trouble shooting various problems in different stages of production and non-production using logs files.
* Monitoring and maintaining multiple Applications with Ansible Jobs configured in Ansible Tower.
* Quickly adapting to newer technologies.
* Work effectively under pressure and handle changing priorities to keep within deadlines.
* Good communication & interpersonal skills with abilities resolving complex software issues.
* Experience in telecom billing (Prepaid & Postpaid Billing System, OSS/BSS ,BSCS billing system ,(postpaid , prepaid & rating billing ), (INTELLIGENT NETWORK(IN), Revenue assurance, telecom testing, (Connective process ) , VAS & Subscription engine, postpaid, prepaid, CDR collection, Charging & Mediation (Comptel (InstanLink/Event link) , provisioning, reconciliation, rating, interconnect billing, Kenan/arbor billing system, Oracle BRM, Jeneva Billing system), Jira and BMC remedy ticketing tool, database management & 24\*7.
* Good Experience in programming java, shell and python
* Used Nodejs and JSON for Network level programming
* Experience in installation and management of network related services like TCP/IP, FTP, SSH, DNS, HTTP, HTTPS, LOAD BALANCING, VPN, FIREWALL, SUBNETS, SMTP.
* Have worked on all major AWS services and configured the EC2 & RDS instances from scratch.
* Worked on Ansible & Puppet tools to automate the server configurations from a single control machine.
* Installed Ansible Tower to schedule production deployments activities & have setup websites under Elastic beanstalk using ansible.
* AS part of CMS (Cloud management services team) have involved in the end to end implementation of cloud infrastructure for the client and.
* Have worked on few windows EC2 instances and IIS web server as been a pooled resource for multiple projects
* PERFORM BUILD AND RELEASE MANAGMENT ACTIVITIES ACROSS DEV, QA AND PROD
* Training under process to adopt Iac (Infrastructure as a code) using various devops tools & cloud platforms.
* Experience in creating Docker images using Docker file, backup using snapshots and managing the images and Docker volumes, written JSON format scripts to automate and integrate Docker with Kubernetes.
* Knowledge of application deployment and data migration on AWS.

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| Technicall Skills |

Infrastructure as Service : AWS , DEVOPS & SCRUM MASTER.

Containerization Tools : Docker

Configuration Management : Ansible, Puppet

CI Tools : Jenkins

Web Servers : Apache, Haproxy, Nginix, IIS

Application Servers : Tomcat,Weblogic,JBoss.

Log & Performance Analysis : Tracelyzer, Logstash, Kibana Dashboard, Appneta.

Build Tools : Maven & SoapUI

Version Control : GIT,SVN,CVS

Programing Language : Java/j2ee, python, c/c++ , xml.

Operating Systems : Linux, UNIX, Windows.

Scripting Languages : WLST, Shell, Python Boto.

Databases : Oracle 10g, MSSQL, AWS RDS.

Monitoring/Management : IT360, Remedy, Samurai, GC Viewer, MAT, Manage ,Nagios Engine,App Builder.

**CERTIFICATION –**

* + - AWS Solution Architect - Certified

**WORK EXPERINCE**: -

**Working in L&T Infotech as Technical Team Lead from JUL 2020 to Dec 2021.**

**Client : CITI BANK UNITED STATE.**

**Tools : JIRA, Jenkins, GIT, Remedy, Confluence**

**Role : Scrum Master & DevOps Manager**

* Working as a Release Manager
* Run weekly, Daily and Monthly build using CI/CD Jenkins and RLM.
* Organized and improved productivity and overall team satisfaction.
* Assisted product owners and project managers in preparing and refining the backlog for program increment sprint plaining as well.
* Supported and educated the product owner and product manager, especially on grooming and maintaining the product backlog
* Handle Team
* Help Team members communicate, coordinate and cooperate to ensure that the teams sprint and program increment goals are met
* Identifies risks and blockers and actively works to remove them from the path of the team
* Working with development team to maintain version controlling of codes on repositories
* Basic understanding in AWS Cloud Platform with Linux Operating System
* Basic understanding in VCS, Jenkins, JIRA, Docker.
* Working in Agile environment.
* Evangelist of agile/scrum principles and methodology.
* Proven ability to work creatively and analytically in a problem-solving environment.
* Worked as a Scrum Master for off-shore and on-shore Squads.
* Organized the Daily Scrum meetings.
* Organized the Sprint Retrospective meets.
* Managed Sprint Backlogs for the Sprints.
* Worked in Agile Framework and working experience as Product Owner.
* Also, maintained the product backlog as a Product Owner.

Working in Tata communications as Assistant Manager from Dec 2017 to Jan 2020.

Project: IOT TCL

Role: Devops Lead

Tools: Scrum , DevOps, AWS, Jenkins, Selenium, CICD, Docker Containers, Kafka, Dynatrace, Splunk, Kubernetes, Ansible, GIT, Linux, Sql, Shell Scripting , java , Python & SQL .

**Responsibilities**:

* Making environment readiness for every release activity.
* Involve in presales meeting in client location
* Prepare Project Plan, Schedule and Timelines and ensure the tasks are being completed as per the expected timelines and delivery schedules.
* Completed an initial project risks assessment and prepared a project complexity and risk assessment (PCRA) report
* Majorly Involve in presales activity
* Done Patching for entire server and for independent packages to solve open vulnerabilities.
* Working on Nodejs & JSON for Data Report Export from network.
* Worked on Kubernetes and pods with monitoring by CLI and UI.
* Worked on Jenkins, Docker for continuous integration and for End-to-End automation for all build and deployment.
* Worked on application servers and middleware technologies
* Implemented Boto3 SDK AWS services by using of python program
* Worked on various source code management activities using GIT involving branching, merging strategy, daily merges and remote repository.
* Have setup an automatic deployment using Ansible Playbooks to deploy multiple sites using Bitbucket repository and Jenkins.
* Responsible for working on several Docker components like Docker Engine, Docker Hub, Docker Compose, Docker Registry and Docker Swarm
* Using RESTful API and Postman for data report generation
* Writing a codec value using of java
* Using postman to test of **XML** web services.
* Provided support for all applications in Production and non-production environments with the DevOps tools to monitor and configure the applications.
* Configure Managed Servers in a Cluster solution for High Availability, Load balancing and fail over.
* Managing QA, PROD environments of JBOSS Application server in cluster & non-clustered modes.
* Build multiple Maven Projects in Jenkins
* Codec value created using java programming
* Configuring the projects and release jobs into Jenkins CI tool.
* Performing the build activities in Jenkins.
* Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Installation, configuration, and support of continuous integration and continuous deployment tool Jenkins
* Implementing containerization using Docker for application lunching containers and images.
* Communicate with Developers and testers till new code changes promoted to production.
* Involved in DevOps automation using shell and ansible scripts for monitoring and troubleshooting purpose.   
  Installing Kubernetes, deploying applications using Kubernetes as a Docker container.
* Organized and facilitated all sprint planning, reviews, retrospective and stand-ups .
* Served as Scrum Master leading Agile teams focused on product enhancements and upgrades.
* Reviewed and managed backlog and in-progress items ensuring as on time feature delivery rate of 98%
* Supported the product owner
* Maintained team metrics and reported project status on regular basis to product owner improving decision making.
* Assisted product owners and project manager in preparing and refining the backlog for program increment (large scale planning) as well sprint planning.

Worked in Amdocs as a Senior Devops Engineer from May 2017 to Nov 2017.

Project: AT & T ECOMP OSS DEVOPMENT & DEPLOYMENT

Tools: DevOps, AWS, Jenkins, Selenium, CICD, Docker Containers, Kafka, Dynatrace, Splunk, Kubernetes, Ansible, GIT, Linux, Sql, Shell Scripting & SQL.

Role: Senior Devops Engineer

* Worked on Code Changes, Configurations, Deployment, Implementation and with Oracle technology under Linux platform.
* Installation of VM (Virtual machines)
* Terraform used for server creation
* Have setup an automatic deployment using Ansible Playbooks to deploy multiple sites using Bitbucket repository and Jenkins.
* Used Nagios & shell scripting for monitoring purpose
* Involve in Migration Activity
* Implemented Nagios to monitor application, network and server resources
* Virtualized the servers using Docker for the test environments and dev-environments needs, also configuration automation using Docker containers.
* Communicate with the onsite client as required for KT session and same documented and given to team member.
* Using Jenkin, Docker and AWS for virtual server creation.
* Cloudify Plugin and installation.
* Build multiple Maven Projects in Jenkins
* Virtual Server Environment preparation and Verification.
* ECOMP Portal (Services/ API/ UI controls) The ECOMP Portal provides access to design, analytics and operational control/administration functions via a common role-based menu or dashboard.
* Worked on OSS ordering, service provisioning, API testing

Worked in Tech Mahindra as a Senior Devops Engineer from Nov 2016 to Mar 2017 .

Project: CRM Transformation (Client – Vodafone India pvt ltd)

Tools: DevOps, Jenkins, Selenium, CICD, Docker Containers, Kafka, Dynatrace, Splunk, Kubernetes, Ansible, GIT, Linux, Sql, Shell Scripting & SQL, AWS.

Role: Devops Engineer with Data Migration Activity

* Worked on various source code management activities using GIT involving branching, merging strategy, daily merges and remote repository.
* Used Splunk performs capturing, indexing, and correlating the real-time data in a searchable container from which produce graphs, reports, alerts, dashboards, and visualizations.
* Involve in application deployment, data migration & Monitor on AWS.
* Implemented new Kubernetes version and operating system rollouts across the business enterprise, including red hat version upgrade.
* Managed production server and running java process
* Using SoapUI to access web services over HTTP
* Involved in DevOps automation using shell and ansible scripts for monitoring and troubleshooting purpose.
* Updating the Docker file to create containers and integrate Kubernetes with Jenkins to do build on Docker containers and to achieve continuous delivery on a highly scalable environment.
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus and integrated Jenkins with the version control tools to pull the latest pushed code
* Closely worked with orchestration and configuration management tools like Ansible, Chef and I am much Passionate about automation
* Used shell script to automate process

Worked as a Software Engineer in IBM INDIA from Oct 2014 to Nov 2016 .

Project: Telecom Billing (Vodafone Ireland)

Tools: Linux, Sql, Shell Scripting & SQL, java/j2ee, Bss, Oss.

Role: Senior software Developer

* Handling implementation and development queries, report generation, call collection, bill run, Invoice generation
* Troubleshooted memory issue in java applications
* Analysed and create report of thread dump and heap dump
* Responsible to estimate, design, develop and test new requirements such as package plan, bundles, bill codes, Short codes etc.
* Development on Billing Engine, a dedicated engine for Bill Generation separated
* Creating HLD, LLD and code project requirements.
* Creation of Offers, Products, Tariffs, Rentals as per project requirements.
* Deploy build on production.
* Development of new APN’s, Short code and Dial Digits in postpaid billing.
* Interacting with client (Vodafone business) at different levels to gather/clarify the requirements.
* Batch call rating for Voice, SMS (including Roaming), Data (including Roaming) CDRs
* Create and execute test cases for new configuration changes and do complete end to end test from Jupiter into DOC1 so that an invoice can be created for sign off by RA/Business prior to deployment.
* Invoicing /Bill Generation.
* 24\*7 Support after Billing configuration in production
* Support Running Billing Application
* Using shell and python to automate billing process
* Used java to create and run Bill code , Packages , rating and invoicing
* Worked on deployment lifecycle and after deployment support running build 24\*7 Environment.

Worked in software engineer JR Beet Soft Technologies Pvt. Ltd, From Aug 2012 to October 2014.

Project: Reliance BPST

Role: Linux Admin & Production support Telecom Billing

* Involved in Linux System and Network administration in Sun Solaris 9/10, HP-UX 11.31, Linux RedHat 5/6 servers running different Database and Middleware Applications
* Responsible for resolving network issues using network tools like ping, tcptraceroute, traceroute, tcpdump.
* Support running java process
* Developed Shell Scripts for automation of daily tasks
* Responsible for collecting and analyzing JVM Crash data / core dumps and provide a detailed report for Root Cause Analysis
* Regularly takes Thread dump and Heap dump to resolve running process issue
* Worked as Linux Administrator Supporting the Server farm in 24X7 Production Environment
* Perform day to day Linux administration such as user accounts, logon scripts, directory services, file system shares, permissions. Support Oracle database.
* Monitored Linux server for CPU Utilization, Memory Utilization, and Disk Utilization for performance monitoring.
* Built more than 1000 servers from scratch and applied relevant patches on existing servers.
* Involved in RCA and several Incident meeting in weekends.
* Involved in patching work and monitoring the performance of the servers.
* Telecom billing production support
* Worked on Patching for entire server and for independent packages