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Professional Summary:

- Around **4+ years** of experience in the field of **DevOps** Engineer in application **configurations, code compilation, packaging. building, automating, managing,** and **releasing** code from one environment to other environment and **deploying** to servers.
- **Amazon Web Services certified solutions architect.**
- Hands on experience with **AWS** services like **EC2, S3, RDS, VPC, ELB, EBS, Cloud Watch, and Auto scaling.**
- Experience with creating custom users & groups on an **IAM** console.
- Have good knowledge on **Microsoft Azure** and **Open stack**.
- Hands on and good knowledge about **CI/CID** integration.
- Experienced in working on source controller tools like **GIT, Subversion (SN),** and **CVS**.
- Worked with container-based deployments using **Docker**, with **Docker images** and have a good knowledge on **Vagrant**.
- Extensively experienced in using Build Automation tools like **ANT, Maven, Gradle** and working knowledge on other build tools like make file.
- Orchestration of **Docker images** and Containers using **Kubernetes** by creating whole master and node extensively worked on **Jenkins,** Team City for continuous integration and for End-to-End automation for all build.
- Diverse experience utilizing **Java** tools in business, Web, and client - server environments including Java J2EE, Java multi-threading, Java Server Pages (ISP), Java Servlets, Struts, spring, Hibernate and Java database Connectivity (DBC) technologies.
- Adept knowledge of **Core Java, MVC** Architecture and Databases. Coordination with team, peer reviews and collaborative System level testing.
- Good knowledge of Object relational mapping for data persistency, Java Messaging Services, **AngularJS** and **Node.js**.
- Hands-on experience on Oracle development tools such as **TOAD, Oracle SQL** Developer. Tested Web apps in **Agile Environment**.
- Experienced in Configuration management tools like **Puppet, Chef, Ansible** and expertise in developing **Recipes/Manifests** and **Ruby** and **Python** scripts to automate the environment.
- Orchestration of application processes on different environments using **Chef** and **Puppet** in cloud **(AWS)** for deployment on multiple platforms.
- Experienced in using **Bug Tracking** tools like **JIRA** and **HP** Quality center, web/application servers like **Apache, BOSS, Tomcat** and Monitoring /Network/Monitoring/Log Trace Monitoring.
- Installed, Configured, Managed Monitoring Tools such as **Cloud Watch** and **Nagios** for Resource.
- Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, Scrum** and **Waterfall methodologies**.

Technical Skills:

Version Control Tools	Git, Bit Bucket, GitHub
Build Tools	Maven, Ant, Nexus
Continuous Integration	Hudson, Jenkins
Scripting	Ruby, Shell, PowerShell, Bash
Configuration Management	Chef, Ansible, Puppet, Terraform
Programming Languages	Java, Python, .NET, PHP
Databases	MYSQL, SQL Server, Oracle, Mongo DB, DB2
Application Servers	Apache Tomcat, WebSphere, JBoss
Monitoring Tools	Nagios, Cloud Watch (AWS)
Cloud	AWS, GCP, Microsoft Azure
Ticketing tools	Jira, ServiceNow
Operating systems	Windows, Linux/Unix, and Ubuntu
Containerization Tool	Docker, Kubernetes
Testing Tools	Junit, Selenium, Bamboo

Client: United Health Group, Minneapolis, MN   **May 2022 to till date**
Role: DevOps & Cloud Engineer/AWS

Roles and Responsibilities:

- Migrated the current **Linux** environment to **AWS/RHEL Linux** environment and used auto scaling feature and Involved in Remediation and patching of **Unix/Linux** Servers.
- Involved in **Amazon Web Services (AWS)** provisioning and AWS administrations like **EC2, Elastic Load-balancers, Elastic Container Service (Docker Containers), S3, CloudFront, Elastic File system, RDS, DynamoDB, VPC, Route53, CloudWatch, CloudTrail, CloudFormation, IAM, Elasticsearch.**
- Maintained the user accounts **IAM Roles, VPC, RDB, Dynamo DB, SES, SQS** and **SNS** services in **AWS** cloud.
- Managed **GIT** and **Bitbucket** repositories for branching, merging, and tagging.
- Created release branches in **GIT-by-GIT** Administration including branching, reporting, and assisting with project and end user support.
- Configured **GIT** with **Jenkins** and schedule jobs using **Poll SCM** option.
- Installed and Configured the **Nexus** repository manager for sharing the artifacts within the company.
- Worked on installing of **Docker** using **Docker toolbox**.
- Worked on creation of **Docker containers** and **Docker consoles** for managing the application life cycle.
- Worked on **Docker** container snapshots, attaching to a running container, removing images, managing director structures, and managing containers in **AWS ECS.**
- Implemented a production ready, load balanced, highly available, and fault tolerant **Kubernetes** infrastructure.
- Worked on **Kubernetes** to manage containerized applications using its nodes, **Config Maps**, selector services and deployed application containers as **Pods**.
- Managed Clusters using **Kubernetes** and worked on creating many **pods**, replication controllers, services, deployments, labels, health checks.
- Implementing a Continuous Delivery framework using **Maven, Jenkins**, and **Chef** in **Linux** environment.
- Developed and maintained the continuous integration and deployment systems using **ANT, Maven,**

Jenkins, Nexus, Chef and **Ansible**.

- Creating a fully Automated Build and Deployment Platform and coordinating code builds promotions and orchestrated deployments using **Jenkins/Hudson** and **Git Hub**.
- Written wrapper scripts to automate deployment of cookbooks on nodes and running the chef client on them in a **Chef-Solo** environment and converted production support scripts to **chef recipes**.
- Used **Ansible** and **Ansible Tower** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
- Managed the configurations of multiple servers using **Ansible**.
- Deployed microservices, including provisioning **AWS** environments using **Ansible Playbooks**.
- Refined automation components with scripting and configuration management **(Ansible).**
- Managed Product Backlog and tracked bugs using **JIRA**.
- Worked with the development team to increase the unit test code coverage.
- Installed, Managed and Configured monitoring tools such as **Splunk, Nagios** and **CloudWatch** for monitoring the logfiles, Network Monitoring, log trace monitoring and the hard drives status.
- Designed and worked with team to implement **ELK** (elastic search, log stash and Kibana) Stack on **AWS**.
- Involved in setting up application servers like **Tomcat,** WebLogic across **Linux** platforms as well as written **shell scripts, Perl, Python, Ruby scripting** on **Linux**.
- Installed Web Logic applications and spearheaded deployment activities.
- Installed configured and maintained **QA** and production systems.

Environment: AWS, IAM, EC2, S3, VPC, RDS, R53, Cloud Watch, GIT, Subversion, Docker, Jenkins, Maven, Chef, Ansible, JIRA, Splunk, Nagios, ELK, CloudWatch, Ruby, YAML, Shell Scripting, Python Scripting, Apache Tomcat, UNIX, WebLogic.

Client: 3i Infotech, Hyderabad, India   **Oct 2019 – July 2021**
Role: DevOps Engineer

Roles and Responsibilities:

- Created **AWS** cloud formation templates to create custom sized **VPC, subnets, EC2 instances, ELB, security groups.** Worked on tagging standard for proper identification and ownership of **EC2** instances.
- **AWS** cloud services like **EC2, S3, RDS, ELB, EBS, VPC, Route53, Auto scaling groups, Cloud watch, Cloud Front, IAM** for installing configuring and troubleshooting on various Amazon images for server migration from physical into cloud.
- Working on version control systems like Subversion, **GIT** by using source code management client tools like **Tortoise SVN, GitBash, GitHub, Git GUI** and other command line applications.
- Configuring, automation and maintaining build and deployment **CI/CD** tools **git/ git-Lab, Jenkins, Build Forge, Docker registry/daemon, Nexus, and JIRA** for Multi-Environment (**Local/POC/NON-PROD/PROD)** with high degrees of standardization for both infrastructure and application stack automation in **AWS** cloud platform. Orchestrating **CI/CD** processes. **CI/CD** tools Dockerized and infrastructure setup in **Vagrant, AWS** and **VPCs**.
- Experience with setting up **Chef** Infra, bootstrapping nodes, creating, and uploading recipes, node convergence in **Chef SCM**.
- Installed/configured/maintained/administrated the network servers **DNS, NIS, NFS**, Send mail and application server **Apache, JBOSS, WebLogic, Oracle** E-business suite, and **Samba** on **Linux**.
- Created **Python** scripts to totally automate **AWS** services which includes 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.
- Automate the installation of **ELK** agent (file beat) with ansible playbook.
- Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling **Kubernetes AWS** infrastructure and microservice container orchestration.
- Configured **Subclipse** (Subversion plugin for Eclipse) and trained developers to utilize its various features.

- Extensively used **Ant, Maven, Perl** and **Bash** Scripts for automating build and release tasks.
- Written **Chef Cookbooks** for various packages. Implemented environments, roles, data bags in **Chef** for better environment management.
- Experience in installing, configuring, supporting, and troubleshooting Unix/Linux Networking services and protocols like **NIS, NIS*, OSPF, LDAP, DNS, NFS, DHCP, NAS, FTP, SSH** and **SAMBA**.
- Experience in setting up the **Chef repo**, **Chef workstations, Chef nodes, Hadoop**, and **Salt stack**.
- Experience in managing **Ansible Playbooks** with **Ansible** roles. Used file module in **Ansible playbook** to copy and remove files on remote systems. Created inventory in Ansible for automating the continuous deployment.
- Used **Ansible Tower**, which provides an easy-to-use dashboard and role-based access control, so that it's easier to allow individual teams access to use Ansible for their deployments.
- As part of continuously delivering **Agile** team, develop, test, and deploy Data platform features Develop ongoing test automation using Chef, Python based framework Using Ansible to Setup/teardown of **ELK** stack (Elasticsearch, Logstash, **Kibana**).
- Used **Jenkins** and pipelines to drive all microservices builds out to the **Docker registry** and then deployed to **Kubernetes,** Created **Pods** and managed using **Kubernetes**.
- Building/Maintaining **Docker** container clusters managed by **Kubernetes Linux, Bash, GIT, Docker, on GCP**. Utilized **Kubernetes** and **docker** for the runtime environment of the **CI/CD** system to build, test deploy.
- Experienced in Troubleshooting **Linux** Systems identifying Hardware, software (both OS and Application level), and networking Issues.
- Experience with **AWS** instances spanning across Dev, Test and Pre-production and Cloud Automation through Open-Source DevOps tools like **Chef, Jenkins & Docker**.
- Administered **Bamboo** servers and **Jenkins** which includes install, upgrade, backup, adding users, creating plans, installing local/remote agent, adding capabilities, performance tuning, troubleshooting issues and maintenance.
- Configured email and messaging notifications, managed users and permissions, system settings and maintained two **Jenkins** servers and one Bamboo server to deploy into production and non-production environment.
- Developed build using **ANT** and **MAVEN** as build tools and used **CI** tools to kick off the builds move from one environment to other environments.

Environment: Red hat Linux 7., AWS, Chef, Ruby, Shell, Python, WebLogic Server 11g, Load Balancers, WLST, Apache Tomcat 7x, Docker, Virtualization, Configured plug-ins for Apache HTTP server 2.4, Nginx, LDAP, JDK1.7, XML, SVN, GitHub**.**

Client: 3i Infotech, Hyderabad, India   **May 2018 – Sep 2019**
Role: Jr. DevOps Engineer

Roles and Responsibilities:

- Migrated service from a managed hosting environment to **AWS** including overall plan, cost analysis, service design, network layout, data migration, automation, deployments and cutover, monitoring, documentation, and timeline.
- Launched and configured **Amazon EC2** Cloud Servers using **AMI's (Linux/Ubuntu)** and configured the servers for specified applications.
- Launched **DNS, Route 53** and **AWS Elastic Load balancer (ELB)** and assigned **AWS SSL** Certificates to Servers.
- Configured the **Auto scaling** and **ELB** groups in **AWS** to main high scalable and secure environment.
- Managed **SVN & Git** Arti factories for branching, merging, and tagging, resolved merging issues.
- Deployed **Docker** application by using Service Release Automation **(SRA)** in **AWS** Infrastructure.
- Worked with the development team to generate deployment profiles **(jar, war, ear)** using **MAVEN** Scripts and **Jenkins**.
- Maintained two **Jenkins** servers to deploy into production and non-production environments.

- Involved in Setting up the backup server for Jenkins and prepared disaster recovery plans for **Jenkins.**
- Responsible for **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation using **Jenkins** along with **Shell scripts** to automate routine jobs.
- Installed, Configured and Managed **Puppet** Master and **Puppet Agent.**
- Wrote custom **Puppet** Modules and Manifests, downloaded pre-written modules from **Puppet Forge** and worked with Upgradation or Migration of **Puppet** Community and Enterprise.
- Designed and implemented fully automated server build management, monitored, and deployed using **DevOps** Technologies like **Chef.**
- Deployed and managed many servers utilizing both traditional and cloud-oriented providers **(AWS)** with the **Chef** Platform configuration system from first light.
- Wrote **Chef Cookbook recipes** to automate the deployment process and to integrating **Chef Cookbooks** into **Jenkins** jobs for a continuous delivery framework.
- Monitored systems with **Nagios** & **Cloud Watch**.
- Implemented Backup/Disaster recovery system for entire **CI** system using **JIRA.**
- Created and maintained the **Shell/Python**, **YAML** deployment scripts for WebSphere application servers.
- Lead efforts on testing strategy, automation in **Dev, test, UAT** and **production** environment.
- Actively involved in configuration and deployment of various sets of custom configuration pertaining to **Linux/UNIX** server security, **OS** hardening, and maintenance of Baseline standards.

Environment: AWS, IAM, EC2, S3, VPC, RDS, R53, Cloud Watch, GIT, Subversion, Docker, Jenkins, Maven, Puppet, Chef, Ansible, Nagios, CloudWatch, Ruby, YAML, Shell Scripting, Python Scripting, Apache Tomcat, UNIX Java Developer.

Education Details:
- **Bachelors in computer science and Engineering from GITAM University, Hyderabad (2014 -2018)**
- **Masters in computer science from Lewis University, Chicago, IL (August 2021 – December 2022)**