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Description automatically generated**Thalari Prasanna**

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# PROFESSIONAL SUMMARY

* 5+ years of Experience in Software Development Skilled at Operating in a wide range of Platforms like DevOps, AWS, and Linux. Having experience in DevOps/AWS Software Configuration Management which includes Build Automation, Continues Integration, Continues Deployment, and Continuing monitoring using Automation Tools. Well-versed in software production, development life cycle, and release of software products.
* Expertise in DevOps, Configuration Management, Cloud Infrastructure, and Automation it is including **Amazon Web Service (AWS), Ansible, Jenkins, Git, Maven Terraform,** etc.
* Administering Jenkins and secured Jenkins with role-based access controls.
* Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Excellent skills in applying Continuous Integration, Continuous Deployment, and Continuous Delivery processes & tools [ Example: Git, Maven, Jenkins, Apache Tomcat.]
* Good working knowledge in **CI & CD** and building a pipeline using **Jenkins.**
* Have hands-on knowledge with **Ansible** and writing Playbooks.
* Installed and maintained the GIT repositories.
* Trained development teams on GIT usage and best practices.
* Experience in configuring and updating the servers using configuration management tools like **Ansible,** andExperience in Containerization tools like **Docker.**
* Good understanding of **ECS** (EC2 Container Service) for cluster management.
* Good knowledge of Route53 and DNS service.
* Have working knowledge in maintaining AWS services from **CLI.**
* Have knowledge in setup and configuring Monitoring tools like **Grafana & Prometheus.**
* Have knowledge in repository managing tools like **JFrog Artifactory**.
* Have working knowledge of **Kubernetes.** And configure the Kubernetes cluster.
* Experience in **branching, tagging,** and **maintaining** the version across the environments working on Software Configuration Management **GIT**.
* Excellent analytical, coordination, and communication skills.
* Have hands-on experience in integrating tools on the cloud (AWS & GCP) through **Terraform**.

# EDUCATIONAL QUALIFICATION

* Pursuing Ph.D.(2018-2022)in (cloud -computing) from Mangalyathan University, Aligarh.
* MTECH: Master of Technology (2009-2011) from J.B Institute of Engineering and Technology, Hyderabad.
* BTECH: Bachelor of Technology (2001-2005) from G. Narayanamma Institute of Technology, Hyderabad.
* Intermediate (1997-2000) from Board of Intermediate Education, Hanumakonda Telangana, India
* Secondary School Certificate (1997) from Board of Secondary Education, Mancherial Adilabad dist Telangana, India.

**AWS Certified Solution Architect– Associate Valid up to 2022**

# TECHNICAL SKILL

|  |  |
| --- | --- |
| Version Control Tools | Git, GitHub, Subversion, Bitbucket |
| Build Tools | Maven |
| Continuous Integration | Jenkins |
| Containerization | Docker, Kubernetes (K8) |
| Configuration Management | Chef, Ansible,Terrafrom |
| Scripting Languages | Shell Scripting, Python Basics |
| Operating System | Linux, Ubuntu, CentOS & Windows |
| Cloud Technologies | Amazon Web Services, AZURE |
| Monitoring | Newrelic, Nagios, Splunk |

# PROFESSIONAL EXPERIENCE

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* Working as a DevOps Engineer for **QUADRATICS INSIGHT SOFTWARE SOLUTIONS PRIVATE LIMITED** from May 2021 to date
* Worked as Devops Engineer in Visual Basic Technology PVT LTD from Jan 2021 to May 2021
* Worked as Cloud consultant in INurture Education PVT LTD from March 2019 to Dec 2020
* Worked as Software engineer in Eron info ways PVT ltd from Aug2016 to 2018

# Project Summary

Project 4:

Client Name: HDFC

Designation: DevOps Manager.

**Responsibilities:**

As a DevOps engineer within a team of 10+ members, I have been able to deliver a few of these:  
Source code migration from Gitlab app dynamics configuration for better monitoring of the application   
On-Premises to cloud migration of the CI/CD tool Gitlab-ci.Yaml Uses agile methodology throughout the project. Involved in weekly and daily basis release management.  
• Working with a strong team of architectures, and backend developers to gather functional and non-functional requirements.  
• Managing in-house Eco service Docker containers with Kubernetes orchestration.  
• Involved in source control management with GitLab Enterprise level repositories. Regular activities include configuring users’ access levels, monitoring logs, identifying merge conflicts, and managing the master repository.   
• Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, and test deploy.   
• Migration monolithic architecture and migrated into microservices  
• Configured & deployed Java spring boot applications on-premise for a multitude of applications utilizing the Redis cache and Kafka topics producer and consumer   
• Involved in writing YAML playbooks and automating the deployment process.  
• Building/Maintaining Docker container pods managed by Kubernetes.  
• Involve in configuration/installation/maintenance/troubleshooting and implementing DevOps architecture using Maven, Jenkins, Ansible, Terraform, Docker, Gitlab CICD YAML files  
• Developed automation scripting in Python (basic) using API testing to deploy and manage Java applications across Linux servers and used the Docker image to deploy in Kubernetes clusters.  
• Working knowledge of several types of configuration management tools like Ansible.

**Project 3**:

**Client Name**: Atos

**Designation**: Software Engineer

**Responsibilities:**

● As a DevOps Engineer, I am responsible for taking care of the day-to-day build and release activities. These activities include build issues, deployment issues for multiple releases like maintenance releases, enhancement releases, bug fixes, and emergency releases

● Worked on AWS Cloud Formation templates to create custom sized VPC, subnets, EC2 instances, ELB, and security groups. Worked on tagging standards for proper identification and ownership of EC2 instances and other AWS Services like CloudFront, CloudWatch, OpsWorks, RDS, ELB, EBS, S3, glacier, and Route53, SNS, SQS, KMS, CloudTrail, IAM.

● Setup and build AWS infrastructure various resources, VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in CloudFormation JSON templates. Implemented local user provisioning instances created in the AWS cloud.

● Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of Infrastructure as a Code.

● Developed Templates for AWS infrastructure as a code using Terraform to build staging and production environments.

● Developed Dev, Test, and Prod environments of different applications on AWS by provisioning Kubernetes clusters on EC2 instances using Docker, Ruby/Bash, and Terraform.

● Integrated Docker container orchestration framework using Kubernetes by creating pods, config Maps, and deployments.

● Migrated VMWARE VMs to AWS and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS, etc.

● Experience in setting up CI/CD pipeline integrating various tools with Jenkins to build and run terraform jobs to create infrastructure in AWS.

● AWS EC2, VPC, S3, SNS, Redshift, EMR-based infrastructure automation through Terraform, Chef, Python, Bash Scripts, and Managing security groups on AWS and custom monitoring using CloudWatch.

● Configured Docker file with different artifacts to make an image and using chef cookbooks deployed those Docker images to different servers for running the applications on containers

● Managed configurations of multiple servers using Ansible.

● Built Continuous Integration environment Jenkins and Continuous delivery environment. Implementing and managing Jenkins DSL job to automate the new job creation.

● Jfrog Artifactory Administration.

● Integrated Maven builds into Jenkins and configure GIT parameterized builds. Also installed many custom plugins along with ANT and Maven plugins.

**Project 2:**

**Client Name:** BOCH

**Designation:** Software Engineer

**Responsibilities:**

Implemented the continuous integration pipeline starting from build and deployment and stretching till testing.  
• Proactively selecting manual effort areas and automating the same including a framework for certificate expiry tracker.  
• Working on release planning with multiple ILs and putting them forth on Confluence and JIRA.  
• Enhancing continuous monitoring using Dynatrace and enabling proper email alerts.  
• Coordinating with Developers & QA to assess performance & direct Continuous Performance Management via Jenkins  
• Ensuring timely project delivery by liaising with key stakeholders, Development Architects/Managers & developers  
• Managing the AWS EC2 instances as per requirement.  
• Facilitating a feedback loop for developers by developing quality frameworks to enhance contribution & boost quality.  
• Enabling microservices integration with the build and deployment pipeline.  
• Setting up an inhouse log monitoring system that is now being widely used by the team to analyze logs  
Key Achievements   
• Achieved a cost reduction of 30% in administration time by creating Ansible scripts.  
• Successfully implemented zero-click deployment as part of the nightly build and deployment.  
• Brought down the production deployment process duration from 1.5 hrs to 30 minutes by automating the manual steps.   
• Enhanced application monitoring utilizing Dynatrace.

* Writing Multibranch Jenkins file and automating Continuous Integration, Continuous Delivery, and Continuous Deployment.
* Writing Docker file, Docker Compose files for microservices Docker containerization.
* Worked on AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), and auto-scaling group services.
* Created a best practice Build environment using Jenkins, Packer, immutable instances, and AWS.
* Worked on bucket policies, S3 storage like Glacier, and maintained SNS and CloudWatch monitoring services.
* Utilized AWS CLI to automate backups of ephemeral data-stores to S3 buckets, and EBS, and create nightly AMIs for mission-critical production servers as backups.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing, and Glacier for our QA and UAT environments as well as infrastructure servers for GIT.
* Build, manage, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure, and deployment tools.
* Worked on the creation of Docker containers and Docker consoles for managing the application life cycle.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* To achieve the Continuous Delivery goals in the highly scalable environment, used Docker coupled with the load-balancing tool Nginx.
* Automated the cloud deployment using Chef, Python, and AWS Cloud Formation Templates. Used Chef for unattended bootstrapping in AWS.

**Project 1:**

**Client Name: UTC**

**Designation:** Software Engineer

**Responsibilities:**

* sole owner of configuration, maintenance, and support of continuous integration framework
* Introducing and implementing Continuous Integration principles and practices for various teams using Jenkins
* Developing Ant scripts to automate compilation and deployment and unit testing of applications in virtual networks
* End-to-end deployment ownership for projects on Java. This includes ANT scripting for automation, scalability, build promotions for staging to production, etc.
* Ensure high availability of projects. This includes load balancing of the same.  
   Setup Jenkins for Continuous Integration and Deployment apparatus.  
   Setting up Server monitoring tolls like Manage Engine for server monitoring and alerting  
   Implementing code builds and automated deployment procedures.  
   Working on source code repository maintenance and subversion using tools like SVN
* Involved with planning, designing, and transforming environments from on-premises to cloud-based
* Work as Cloud Administrator on Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups
* Deploy and configure network and firewall configurations
* Implementing new projects builds framework using Jenkins & maven as build framework tools.
* Implementing a Continuous Delivery framework using Jenkins, Puppet, Maven, and Nexus in a Linux environment.
* Installation and Configuration of RedHat LINUX server.
* Installation, configuration, and management of Apache and Tomcat servers.
* Integration of Maven/Nexus, Jenkins, Git, Confluence, Jira, and Cloud Foundry.
* Communicating with all levels of engineering, management, and developers, testing teams.
* Hands-on troubleshooting skills, and project documentation.
* Developed Shell/Python Scripts for automation purposes.
* Resolved merging issues during rebasing and re-integrating branches by conducting meetings with Development Team Leads.
* Worked closely with software developers and DevOps to debug software and system problems.
* Used Chef to manage Web Applications, Config Files, Database, Commands, Users Mount Points, and Packages.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Deployed chef, chef cookbooks for configuration management to existing infrastructure.
* Supported and developed tools for integration, automated testing, and release management.
* Verified if the methods used to create and recreate software builds are consistent and repeatable.
* Suggested tools and related implementation to engineering teams regarding cloud-based services.

● Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.

● Releasing code to testing regions or staging areas according to the schedule published.

● Used Jira as a ticket tracking and workflow tool.