**Nagarjuna Reddy Duggempudi**

nag27arjuna@gmail.com | | 3147322119

Farmington Hills, Michigan 48334

**EXPERIENCE SUMMARY**

* A self-motivated IT professional around 6+ years of comprehensive experience as a **DevOps Engineer, Build/Release Manager, and Cloud Engineer** in all phases of **SDLC** like **Analysis, Design, Development, Deploying, Testing and Maintenance** of various web-based applications.
* Designed and implemented scalable, secure **AWS Architectures** using **EC2, S3, EBS, Elastic Load Balancers, Auto Scaling, VPCs, AMI, SNS, RDS, IAM, Cloud Watch, Cloud Formation, and Security Groups**.
* Proficient in version control systems such as **CVS, SVN, and Git**. Managed and maintained **Git Repositories**, implemented branching strategies, and resolved source code conflicts effectively.
* Expertise in automation tools like **Jenkins, Hudson, Bamboo, and Build Forge** for achieving Continuous Integration and Continuous Delivery.
* Designed and deployed **CI/CD** pipelines using **Jenkins, AWS Code Pipeline, and Git** to automate build, test, and deployment processes.
* Experienced in implementing Cloud services **(IaaS, PaaS, and SaaS)**, **including OpenStack, Docker, and OpenShift.**
* Extensively worked with server administration tools, including **Apache, Tomcat, WebLogic, and WebSphere.**
* Proficient in automation tools like **Terraform, Ansible, Chef, and Puppet** for provisioning, infrastructure deployment, and configuration management.
* Experienced in scripting languages like **Python, PowerShell, Ruby**, and **Bash**.
* Hands-on experience with **Terraform** for infrastructure automation.
* Knowledgeable in building automation tools such as **ANT** and **Maven**.
* Skilled in implementing and administering monitoring tools like **Splunk, Nagios, and Graphite** for system performance and application monitoring.
* Expertise in querying relational databases such as **Oracle, PL/SQL, and MySQL using SQL**.
* Proficient in managing and integrating code quality tools like **SonarQube and Quality Gates**.
* Worked with defect tracking tools like **JIRA and ServiceNow**.
* Proficient with container systems like **Docker** and container orchestration like **EC2** Container service, **Kubernetes** worked with **Terraform**.
* Used **Kubernetes** to orchestrate the deployment, Scaling and Management of docker containers.
* Installed and managed Linux environments for file sharing, application hosting, and infrastructure deployment, including managing **DNS, LDAP, FTP**, and **Apache/WebLogic servers**.
* Strong communication and collaboration skills, with the ability to interact effectively with developers, managers, and team members to ensure seamless coordination and task execution.

**TECHNICAL SKILLS**

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| **Programming Languages** | C, HTML, CSS, Java, Python, SQL |
| **Databases** | SQL Server 2012/2008, Oracle 11g/10g/9i, PostgreSQL, DB2 |
| **Cloud Services** | AWS (EC2, S3, CloudWatch, IAM), GCP |
| **Configuration Management Tools** | Ansible, Chef, Puppet, ANT, Maven |
| **Web Servers** | SOAP, Apache Tomcat, Oracle WebLogic, IBM WebSphere, IntelliJ IDEA |
| **Provisioning Tools** | Terraform, CloudFormation |
| **Testing Tools** | Selenium IDE, Selenium WebDriver, Visual Studio 2005/ 2008/ 2010 |
| **OS Platforms** | UNIX (Solaris 8, 9, 10), Linux, Ubuntu, Windows |
| **SCM/Version Control Tools** | Git, CVS, Subversion, SVN |
| **CI Tools** | Jenkins, Hudson, Bamboo |
| **Ticketing tools** | JIRA, ServiceNow |
| **Virtualization and Container Tools** | VMware, vCenter, Docker, Kubernetes |
| **Monitoring Tools** | Nagios, Splunk, SolarWinds |
| **Networking/Storage Admin** | TCP/IP, FTP, Telnet, NIS, SMTP, ICMP, LDAP, UDP, routers, switches, SAN, NFS, NAS. |
| **IDE Tools** | Eclipse, IntelliJ, Visual Studio Code, MySQL Workbench, Postman,  SonarQube, Nexus IQ Server, Collibra, JIRA, Artifactory,  Nexus Repository Manager |
| **Scripting Languages** | Ruby, Python, Bash, Shell |
| **Methodologies** | Agile, Waterfall |

**PROFESSIONAL EXPERIENCE**

**DevOps Engineer | 04/2024 – Till date**

**Ryder Supply Chain Solutions, Novi, Mi (Remote)**

* Worked in designing and deploying **AWS** Solutions Using **EC2, S3, EBS, Elastic Load Balancer, Auto Scaling groups.**
* Leveraged AWS services such as code pipeline to create **CI/CD** pipeline and **CloudWatch** and **Cloud trail** to create Monitoring Dashboards and network traffic logs.
* Design roles and groups using AWS **Identity and Access Management**, and manage network using Security Groups**, Network Access Control** Lists with services provided by **IAM**.
* Developed Many roles and playbooks in **Ansible** and automated to build and deploy infrastructure using Ansible.
* Worked on the creation of custom **Docker container images**, tagging, and pushing the images and Dockers consoles for managing the application of Life Cycle.
* Worked in all areas of **Jenkins** setting up CI for new branches, build automation, **Plugin management** and securing Jenkins and setting up master/slave configurations.
* Designed and Implemented fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including **Jenkins, Nexus, SVN, and Web Sphere.**
* Implemented multi-Tier application provisioning in **OpenStack cloud**, Integrating it with **Puppet**.
* Worked on Monitoring Systems **Nagios** and **Splunk** and repository **Nexus**.
* Extensively used ANT tool to do the builds, Integrated **ANT** to **Eclipse** and did local builds. Involved in editing the existing **ANT/MAVEN** files in case of errors or changes in project requirements.
* Configured **Bamboo Server** and remote Agent on Windows server as a CI server. Researched and implemented code coverage and unit test plugins with Bamboo.
* Deployed Puppet, Puppet Dashboard and **Puppet DB** for configuration management to existing infrastructure.

**Cloud Deployment Engineer | 01/2022- 03/2024**

**T- Mobile, Michigan**

* Designed and implemented scalable, secure cloud architecture based on **AWS Cloud Formation** templates to create custom sized **VPC**, subnets **NAT** to ensure successful deployment of web applications and used **Terraform** in **AWS VPCs** to automatically setup and modify settings.
* Wrote Templates for **AWS infrastructure** as a code to build staging, production environments & set up build & automations for Jenkins.
* Encrypted **EBS volumes** via **Key Management Service** to monitor create alarms & notifications for **EC2 hosts** using **CloudWatch**.
* Responsible for **OpenStack** project core infrastructure including code review, Continuous integration systems, and developer tools and OpenStack Multi-Node installation, configuration and Administration.
* Written multiple **Cookbooks** in **Chef** to automate the environment provisioning, middleware Infrastructure installations.
* 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 deploys.
* Managed central repositories & implemented with **GIT to host GIT** central repositories for source code across products, facilitate code reviews & login audits for security compliance.
* Used **JIRA** and **ServiceNow** tools for tracking defects and changes for change management.
* Created and maintain build shell, manage, building fixes, merges, release cuts as needed, written scripts for Environment changes in **Bash, Python**.
* Worked with **Network Protocols** like **TCP, SMTP, DNS, HTTP, and SNTP. Troubleshooting Linux network,** security related issues, capturing packets using such as **Iptables, Wireshark, NMAP.**

**Jr. DevOps Engineer | 05/2018 – 01/2021**

**Wipro Technologies Ltd, Chennai**

* Created and maintained **Continuous Integrations (CI)** using tools **Jenkins/Maven** over different environments to facilitate and Agile development process which is automated and repeatable.
* Involved **in DevOps migration/automation Processes** for building and deploying systems.
* Performed **SVN** to **GIT/Bitbucket** Migrations and managed branching strategies using GIT flow workflow.
* Installed **Linux** operating system on **VMs** to make a Linux environment for creating the file sharing servers.
* Launching and configuring of **EC2 Cloud Servers** using **AMI’s** (Linux) and configuring the servers for specified applications using Jenkins.
* Developed **Perl** and **Shell Scripts** for automation of the build and release process.
* Provided configuration management expertise to all software development projects using **Enterprise Puppet.**
* Performed deployment of EC2 instances provisioning on **AWS** environment and implemented **Security groups**, administered **VPC**s.
* Used AWS cloud services to launch Linux and Windows machines, created security groups and written basic **Power Shell** Scripts to take backups and mount network shared drives.
* Created **Docker images** using Docker File, worked on **Docker container** snapshots, removed images and managed **Docker Volumes**.
* Installed and configured **Kubernetes** to create **Docker cluster**.
* Managed **Nexus, Maven** repositories to download the artifacts during the build.
* Worked on **SQL server 2012** management and **DDL** and DML script Migration.
* Implemented **Chef** to deploy the buildings for **Dev**, **QA** and **Production**.
* Scripted **Ansible Playbooks** to manage configurations of AWS Nodes and test Playbooks on AWS instances other operational tasks using **Ansible**.
* Planned, Document and updated existing system procedures, for installation and outage process at client premises.

**EDUCATION**

* **Bachelor of Technology in Computer Science and Engineering**

*Hindustan Institute of Technology and Sciences– Chennai, India*

* **Masters In Cybersecurity**

*Saint Louis University, St. Louis, USA*