# T ArunTheja

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**PROFESSIONAL SUMMARY:**

* Total of **3.4** years of Experience as **Devops Engineer**.
* Experienced in **Cloud AWS services** like **EC2, EBS, ELB, Auto Scaling, S3, VPC, Route 53, CloudFront, IAM.**
* Experienced in Infrastructure-as-Code tools like **Packer, Terraform, Ansible**.
* Hands-on experienced in **Environment** like **Development, Test, UAT,** **Staging** and **Production**.
* Experienced in CI/CD setup using **Git**/**GitHub & Jenkins**.
* Experienced in Monitoring & Alerting tools like **NewRelic, DataDog & PagerDuty**.
* Experienced in Centralized Logging tools like **Splunk**.
* Experienced in Infrastructure Orchestration using **Terraform & Ansible**.
* Knowledge on **Vagrant, Docker Machine** using **VirtualBox**.
* Experienced in Containerization tools like **Docker**& Container Orchestration tools like **Kubernetes**.
* Experienced in OS platforms like **LINUX, Ubuntu, RHEL and CentOS**.
* Experienced in **System Administration & Scripting** as per process Requirements.
* Hands-on experienced in **Data Backup & Disaster** Recovery.

**EDUCATION:**

* **B.Tech (ECE) from JNTU University in Dec 2014.**

**WORK EXPERIENCE:**

* **Wipro, Bangalore** from **March 2018** to **Till Date**

**TECHNICAL SKILLS:**

* Cloud (AWS) : EC2, EBS, ELB, Auto Scaling, S3, S3 Glacier, RDS, VPC,

CloudFront, IAM, ROUTE 53, CloudWatch, CloudFormation

* CI/CD : Git/GitHub, Jenkins
* Build : Maven
* Web Server : Tomcat
* Infrastructure-as-Code : Packer, Terraform, Ansible
* Virtualization : Vagrant, Docker Machine, VirtualBox
* Containerization : Docker, Docker Compose, Docker Stack
* Orchestration : Kubernetes, Docker Swarm
* Artifactory : Nexus
* Code Quality : SonarQube
* Scripting Languages : Shell/Bash
* Monitoring : New Relic, DataDog, Prometheus, Grafana
* Alerting : PagerDuty, Slack
* Logging : Splunk
* Operating System : Linux, Windows

# PROJECT PROFILE

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| **Project #1** | **Patient Care** |
| **Client** | **Cromwell Hospital, U.K.** |
| **Team Size** | **4** |
| **Role** | **DevOps Engineer** |
| **Duration** | **Oct 2019 –till date** |
| **Environment** | **AWS Cloud** |

**Description:**

Patient Care is a system which manages patient master data with the components like API/Service layer, message bus, UI and an offline background system hosted on a AWS Public Cloud System. API/Service layer in the system exposes CRUD operations for a patient backed by a SQL database. In message bus all changes to patient changes are posted for downstream consumers to consume. There is a UI using which approved personal can approve changes done to patients. This UI uses a Node server for its APIs. An offline background system reads patient records (every night) and does analysis like find-duplicates etc.

# Responsibilities:

* Implemented Automated Build and Deployment process for applications and re-engineering set up for better user experience and leading up to building a Continuous Integration/Delivery System.
* Maintain and Enhance the Enterprise DevOps Platform tools, services and software’s like Jenkins, Git/GitHub, Maven, SonarQube, Artifactory, Terraform, Packer, Ansible, Splunk, DataDog & PagerDuty etc.
* Involved in Infrastructure Orchestration of Staging & Production Environment on AWS Cloud using Packer, Terraform & Ansible.
* Involved in Infrastructure Design & Documentation.
* Worked with AWS related activities like Backup, Monitoring, Alerting, Security Patches, keep an eye on AWS Costs and take corrective actions.
* Involved Release & Deployment process in Staging & Production Environment using Rolling Update Deployment.
* Implemented Continuous Integration (CI) and Continuous Delivery (CD) using Jenkins CI which has very strong build pipeline consists of Build verification, Deployment Tests.
* Jenkins, GitHub and MAVEN for building and delivering application artifacts.
* Integrating Jenkins with Slack Notifications.
* Implemented Ansible for Configuration Management to deploy into different applications into Staging & Production Environment.
* Container clustering with **Docker Swarm**/ **Kubernetes.**
* Performed Branching Release Activities using Version Control tools like Git and GitHub.
* Performed and deployed builds for various Environments like Development, Test, UAT, Staging and Production.
* Using SonarQube for Continuous Code Quality to attain the Security for Health Industry.
* Involved in Monitoring the Servers and Applications using DataDog and Splunk.
* Involved in troubleshooting production server issues in day to day activity.

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| **Project #2** | **E-learn** |
| **Client** | **Rocket Software** |
| **Team Size** | **6** |
| **Role** | **Team Member** |
| **Duration** | **March -2018 to Sep-2019** |
| **Environment** | **AWS Cloud** |

**Description:**

This project is developed to provide a learning and exercise platform to employee. This platform will provide the option of learning various technologies as well as it also allows the user to perform exercise in its universal terminal. The platform is connected to Rocket Software federation server so that the user has its unique session, were he can store its work as well as continue from the same point from where the user has left in last session. We have used PAAS, CAAS, NoSQL technologies, Angular and Java and Microservices.

# Responsibilities:

* Created AWS Launch configurations based on customized AMI and use this launch configuration to configure auto scaling groups and Implemented AWS solutions using EC2, S3, VPC, IAM, Route 53 , EBS , Elastic Load Balancer , Auto scaling groups.
* Responsible for setup Infrastructure, Containerization orchestration, Build & Release Management setup, Monitoring and Log management setup for Rocket Software and automate various task and functions for other teams.
* Setup the Architecture, which includes deploying Kubernetes cluster on AWS ec2 using Packer, Terraform and Ansible scripts.
* Installing various customized components such as New Relic, Splunk in Kubernetes using bootstrap Ansible scripts.
* Dockerizing various microservices, angular and java application and deploying it to the Kubernetes.
* Implemented Continuous Integration (CI) and Continuous Delivery (CD) using Jenkins CI which has very strong build pipeline consists of Build verification, Deployment Tests.
* Jenkins integration with S3 to Store/Upload build artifact on AWS S3.
* Implemented **Ansible** to manage all existing servers and automate the build/configuration of new **Ansible Playbooks.**
* Implementing Splunk for Log management.
* Implemented Ansible for Configuration Management to deploy into different applications into Staging & Production Environment.
* Automating redundant tasks using Shell Scripting.
* Release Activities using Source Code tools like Git.
* Performed and deployed builds for Development, Test, UAT, Staging and Production Environments.
* Involved in Monitoring the Servers and Applications using NewRelic and Splunk.