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| **SAI KRISHNA.N**  **7675949437.**  **Saikrishnanarvaneni@gmail.com.**  **ACADEMICS:**  **Btech from JNTUH-2018**  **Inter from srijana Jr college-2013**  **Class-X from ZPSS pinapaka-2011**  **Key skills:**  AWS.  Ansible  Jenkins  Maven.  Sonar Qube  GITHUB.  Tomcat, web sphere, IIS.  Docker & Kubernetes.  Linux & Windows.  Shell Scripting.  JIRA  Employment:  KAIROS CORPORATE Limited.  Duration:  May-2018 to Till Date. |  | **PROFESSIONAL EXPERIENCE SUMMARY:**   * 2 + years of IT experience includes DevOps and Cloud implementations primarily on AWS. * 1+ years of Hands experience in Container Orchestration system Kubernetes. * Writing Docker files for Java spring applications and deployed on AWS ECS Faregate cluster. * Defined CI and CD process setup using Jenkins. Created declarative pipeline scripts as part of containerized application integration and deployments. * Hands on experience in using AWS Services VPC, EC2, S3, EBS, RDS, IAM, cloud watch, ELB, Auto scaling and Route 53. * Environment setup for Java applications on windows and Linux servers by using web sphere, tomcat and Apache. * Installed and Configured Static Code analysis using sonar. Configured the Quality Gates in Sonar and integrated with Jenkins. * Administrative experience on Linux servers and scripting automation using bash. * Managing the multiple release deployments to different environments QA, UAT and PROD. * Hands Experience Installation and Configuration of Distributed VCS systems GIT (GITHUB and Bit Bucket). * Worked with Project architects to define branching and merging strategies for multiple application releases in GIT. * Written Ansible playbooks and roles for deployment automation and environment setup for Linux environments hosted on cloud. * Worked on Build automation using Maven and Integrated with artifact management system nexus. * Daily support to Dev, QA, SIT environments and log analysis to fix the issues. |

PROJECT SUMMARY:

**CLIENT: GENERAL ELECTRIC(GE.COM)**

**PROJECT: Digital Solutions for GE Aviation True choice.**

**Role title: DevOps engineer.**

**Duration:** April’2019-to Till Date**.**

**DevOps Tools Used:** AWS, Docker, Kubernetes, GitHub, Jenkins, Maven, Ant, npm, Ansible, Web sphere, tomcat, Linux, windows.

**Description:** GE Aviation is a world-leading provider of commercial, military and business and general aviation jet and turboprop engines and components as well as avionics, electrical power and mechanical systems for aircraft. GE has a global service network to support these offerings. GE and its customers are also working together to unlock new opportunities to grow and deliver more productivity beyond traditional services. GE Aviation is becoming a digital industrial business with its ability to harness large streams of data that are providing incredible insights and in turn, real operational value for customers

**Contributions:**

* Manage and configure AWS services as per the business needs (ELB, SES, EC2, Route53, S3, Cloud Watch, IAM, VPC).
* Creating snapshots, AMIs, Elastic IPs and managing EBS volumes.
* Load Balancing setup using AWS ELB and Configure horizontal scaling (Scale in and out) using Auto Scaling.
* Access management using IAM and defined custom json policy roles for different identities.
* Exposure on simple storage AWS S3 and applied S3 lifecycle rules to utilize the different storage classes to utilize costs more effectively.
* Monitoring and troubleshooting issues in the daily builds, deployments and environment issues.
* Coordinated with dev teams and BA teams to perform the pull requests across different branches and builds schedule to the environments.
* Automated the DB deployments and support activities.
* Maintained the source code repositories in GITHUB.
* CI/CD Pipeline setup using Jenkins pipeline scripts.
* Java Spring micro service applications deployment as a docker image AWS ECS Faregate.
* Involved in writing the docker files to build images and deployed the containers to the different environments on AWS ECS.
* Managed the day to day builds to Dev, RT and QA environments from Jenkins server. Also responsible for monitoring the builds and troubleshooting the issues.
* Experience in automate the deployments to UAT and PROD as per the release cycle.
* Good Hands on experience in Linux server administration, monitoring and troubleshooting the issues.
* Branching and Merging strategies defined for agile releases in GIT.
* Automated the application build process setup for Java Applications using Maven.
* Scripting automation exposure using shell and Java version of python scripts for deployment automation.
* Environment setup using different web and application server’s apache, tomcat and web sphere.

**CLIENT:** BHF (Bright House Financials)

**Role:** Configuration Engineer

Duration: May-2018 to Mar-2019.

**Environment: Git, Jenkins, ANT, Shell (bash), Apache Tomcat Application Server, Java/J2EE, Linux, windows Family and MySQL.**

**Responsibilities.**

* Linux server’s administration and daily monitoring.
* Responsible for versioning the source code, releasing binary files and tagging on source files and release files.
* Worked on subversion server to manage repositories, branching and merging.
* Helped the Dev teams on code merge conflicts and access issues.
* Administration and Configuration of CI server Jenkins.
* Automated application Code compilation, testing and packaging using build automation tool using ANT.
* Configured Jenkins to implement nightly builds on daily basis.
* Connected continuous integration system with different tools as part of CI process and CD Process.
* Deployed Java/J2EE applications on to Apache Tomcat application servers and configured it to host the wiki website.
* Coordinated with software development teams and QA teams on issues and resolved the problems.
* Performed the detailed monitoring on servers for space, CPU, RAM, identify the process and kill if there is high consumption on specific processes.
* Automated the manual tasks using script and scheduled from Jenkins by running periodically.