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| **Madesh Chandiran**  [**madeshnandu90@gmail.com**](mailto:madeshnandu90@gmail.com)  **+91-9945670343**  **Senior Project Engineer- DevOps, Application Consultant – DevOps&Agile ,Infrastructure Specialist – DevOps** |

**PROFESSIONAL SUMMARY**

* 5.5+ years of experience in Information Technology in the area of Senior Project Engineer- DevOps,Application Consultant (DevOps & Agile) and Infrastructure Specialist (DevOps Engineer).
* Extensively worked on the Agile Scrum based projects.
* Extensive experience in designing DevOps solution for large enterprise applications.
* Hands on experience in automating entire build(continuous integration) and release(Continuous delivery& Continuous Deployment) process in Dev/Test and Production environments.
* Experience in DevOps deployments in Linux platforms for various automation.
* Deployed applications (WAR,EAR, APK, IPA and API’s) in various environments like Development, System Test, QA and Production on multiple PCF,WebSphere,Jboss, HockyApp, PlayStore and AppStore.
* Strong experience in Git, Gitlab, Github and Bitbucket (user administration, tagging, branching, merging).
* Strong experience in Ant,Maven and Gradle Build Tools.
* Expertise in Implementing Continuous Integration tools like Jenkins, Bamboo and Boomerang CI. Proficient in automating the Build and Release cycle using Jenkins and Bamboo.
* Created the complete CI/CD pipeline through Jenkins and Bamboo.
* Good in writing UNIX Shell Scripts and Python.
* Experience in configuration management tool Ansible.
* Hands-on experience of working on AWS Services like EC2, VPC, S3 and CloudFormation.
* Strong knowledge in Docker, Docker Swarm and Kubernetes.
* Experience in Splunk developing dashboards,SPL searches,reports and alert scheduling.
* Extensive experience in design, development and implementation of Model - View-Controller frame work using Spring Boot.
* Having good knowledge on Spring Zuul and Spring Eureka concept.
* Expertise in Implementing Chaos Engineering for production ready services using Chaos Monkey.
* Have basic level knowledge on Angular and integrating Front end applications(Angular) with backed RESTFul Web Services(Spring Boot).
* Strong knowledge in Load Balancing, Failover, High Availability, Clustered, Autoscalling and Microservices topics.
* Having a zeal for automation, out of the box thinking competence.

**TECHNICAL SKILLS**

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| **Platforms** | Windows,UNIX/Linux,Mac |
| **Application/Web Servers** | Apache Tomcat , IBM WebSphere,Jboss, Apache Web Server,IBM MFP |
| **Scripting Languages** | Shell(Bash), Python |
| **Cloud Computing** | PCF (Pivotal Cloud Foundry), Amazon Web services(EC2,S3,VPC, CloudFormation), IBM BlueMix |
| **Source Code Management tools** | Git, GitLab, Github and Bitbucket |
| **Build tools** | Maven,Gradle |
| **Continuous Integration & Code quality tools** | Jenkins ,Boomerang CI,Bamboo, SonarQube |
| **Continuous Deployment & Artifactory Management tools** | IBM UCD,JFrog Artifactory,Sonatype Nexus,HockeyApp |
| **Continuous Testing tool** | Appium |
| **Ticketing Tools** | JIRA,IBM DST Ticketing System |
| **Container Technology & Configuration Management tools** | Docker,Docker Swarm,Kubernetes, Ansible and IBM UCDwP |
| **Orchestration&Data Serialization Language** | Cloudify, Storm UI, YAML |
| **Monitoring** | Splunk |
| **Frameworks** | Spring Boot, Angular(Basic) |

**WORK EXEPRIENCE**

**Company : Wipro Limited, Bangalore,India**

**Project : Charles Schwab,USA  
 Application : CAT (Customer and Account Technology)**

**Role : Senior Project Engineer – DevOps**

**Duration : August 2019 – Till Date** Project Description: CAT is supporting service related customer details and account maintenance functionalities. Main domains in CAT are brokerage,feature,affiliate,utility and accounts. Migration from monolithic to micro services is in progress.

**Responsibilities:**

* Creating and supporting CI-CD pipe line for all CAT applications which are migrated to Microservices.
* Configuring **Bamboo** jobs with related Plugins for Building, Testing and Continuous Integration and Deployment to accomplish required CI/CD.
* Automating Bamboo jobs creation using **Bamboo Specs library**.
* Bamboo deployment plan creation for all PCF environments and fixing any deployment issue.
* Giving necessary access to Developer for DevOps tool.
* Creating **confluence** page and documenting necessary daily works.
* Using **PCF(Pivotal Cloud Foundry)** to host the native applications in cloud from Bamboo deployment plans.
* Creating and modifying manifest.yml to pic right build pack and application detail.
* Managing the creating application related services and security groups in PCF to bind to applications.
* Writting **Powershell** script to achieve **Blue-Green deployment** with help of **CF CLI commands**.
* Strong experience using **Maven** and **Gradle** Build System. Excellent knowledge on Spring Boot Dependency Injection.
* Developed Single Page Applications (SPA) using **Angular**(Front End), **Spring Boot**(Back End) and **MongoDB.**
* For application monitoring , creating **Splunk** dashboards and creating custom alerts & Report.
* Implementing **Chaos Engineering** for production ready services using **Chaos Monkey.**
* Supporting Prod installs as required.
* Used **Postman** and **Fiddler** to test the RESTful API for HTTP requests such as GET, POST, and PUT.

**Company : IBM India Pvt Ltd, Bangalore,India**

**Project : TD Bank,Canada**

**Role : Application Consultant - Devops&Agile**

**Duration : March 2018 – July 2019**

**Responsibilities:**

* Working on DevOps activities to automate process and **CI/CD** for delivering our builds quickly to prod environment.
* Configuring automated **Jenkins** buildjobs for **Java** and **Nodejs applications**. Troubleshoot problems arising from Build failures and Test failures.
* Gathering requirements from Development team on a daily basis and configuring the related tasks on **Jenkins CI.**
* Configured code publishing Jenkins job into **Nexus**.
* Experience in automating the deployment of **Applications(EAR and WAR)** and **API's** in **IBM Web sphere ND** and **Jboss** using **TOSCA Blue prints** and **Jenkins Pipeline** tolowerenvironments.
* Coordinating and Managing the Overall Deployment of Solutions.
* Configured automated test execution job in **Jenkins.**
* Configured project specific **Jenkins Agents**(Windows and Linux).
* Designing project/program branching strategy for lower environments(DEV,SIT/UAT).
* Managing source code trees, branches and tags for multiple repositories in **GitLab** and **Bitbucket**.
* Responsible for **GIT Administration** like creating Repositories, Branching and Merging.
* Experience in QC management using **JIRA** and **HP ALM** tool.
* Creating **JIRA work flow** and **jquery** for specific projects.
* Completed internal projects using **Agile** methodology. Created sprint and task using **JIRA** tool.
* Developing/Customizing Cloudify Blueprints to meet Business Requirements.
* Creating **TOSCA Blueprints** using **YAML** language.
* Modifying exciting **TOSCA Blueprints** and **YAML** scripts to **provision VM,install** and **configure** the necessary **middleware’s** and **databases** on **Openstack** **Cloud** with help of **Cloudify Manager**.
* **Blueprint promotion** and deployment to **SIT** using **Storm UI**.
* Responsible for Overall Environment Availability.

**Company : IBM India Pvt Ltd, Bangalore,India**

**Project : Mobile Garage,India**

**Role : Application Consultant - Devops&Agile**

**Duration : December 2016 – February 2018**

**Responsibilities:**

* Created component templates through **IBM Urbancode Deploy** to install and configure the necessary middleware’s/database required for **android build** and setting up the android environment through the blueprints created in **IBM UCDwP**.
* Worked on setting up the **Android** and **iOS** environment to on board multiple clients and configure the necessary tool stack required for android and iOS build automation.
* Worked on automating the “Build and Deploy” process for both Android and iOS applications using **IBM UCD**.
* Worked to help end user create **Boomerang CI** properties file to configure new Build for Android and iOS.
* Current sizing and setup of each tool in the DevOps stack for **Hybrid** and **Native** application on **Mac** and **Linux** machine like **GIT**, **Jenkins**,**Bamboo**, **Sonarqube**, **JIRA**, **Artifactory** ,**HockeyApp**,**IBM Urbancode Deploy**,**Appium**.
* Creating baseline for all project artifacts from specific project.
* Involved in application building and packaging.
* Creating new jobs and configuration changes in **Jenkins** and **Bamboo**.
* Experience in maintaining **Maven** and **Gradle** Scripts.
* Configuring code quality continuous integration jobs which compiles the builds and checks the code quality against **SONAR**.
* Experience in automating the deployment of **Android** and **iOS** applications in **Artifactory** and **HockeyApp** using **IBM** **UCD** and **Shell Scripts**.
* Created **Ansible** **playbooks** to enable automation of **infrastructure** **deployment**.
* Well versed in creating the Development Environment & QA Environment using **Docker** **Containers**.
* Configured **CI/CD** using **docker** and **github** for deploying version controlled application and set up environment on **AWS**.
* Creating and building **Docker images,** **containers** and writing **docker file** with custom software and issue troubleshooting and Implemented **Microservices** using **Docker**.
* Infrastructure development by deploying services such as **EC2**, **EBS**, **VPC**, **ELB**, **AutoScaling**, **RDS**, **CloudWatch**.
* Configured **security groups**, **internet gateways**, **network ACLs** and **route tables** to secure environment.
* Tracking and Promoting the build to release environment on every release.
* Have Promoted build from **lower** **environment** to **higher** **environment** thereby responsible for environment availability without any code break.

**Company : Artech Infosystem Pvt Ltd(Client is IBM),Bangalore,India**

**Project : AICS(DST),India**

**Role : Infrastructure Specialist-DevOps**

**Duration : March 2015 – December 2016**

**Responsibilities:**

* Worked to build end to end automation of Software deployment life cycle which includes automated Server provisioning in Cloud infrastructure with per-deployed **IBM WAS** and **DB2** middle ware and deploying application in **IBM WAS**.
* Experience in automating the deployment of applications in **IBM Web sphere ND** using **IBM UCD** for a client project.
* Experience in Integration of **ICO (IBM Cloud Orchestration)** in **IBM Urban Code Deploy**.
* Experience in DevOps skills with IBM Urban Code Deploy, Collaborative Life-cycle Management and various Source code management, Build and Release tools like **Git**.
* Performing **Git Admin** Activities which includes, giving access to the users, adding pre-commit hooks and sync up activities.
* Supported as **Jenkins** Admin.
* Creating new jobs and configuration changes in **Bamboo**.
* Code management by building, deploying on **IBM MaaS360**.
* Worked in deploying Android and iOS Application on **IBM Worklight**.
* Experience in **JIRA** Project Management tool.
* Participate in customer discussions to gather business requirements, Work to setup Proof Of Concepts against the requirements and demonstrate the work to Customer.
* Training new hires and assisting them on process related issues.

**ACADEMIC PROFILE**

* B. E Computer Science and Engineering (S.K.R Engineering College,Chennai) 66% April 2012