**GOWTHAM SRI MANIKANTA BARLA**

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**DevOps Engineer and Oracle DBA**

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### Professional Summary -Overview

* Over all 3.1 years of proven experience and successful record in IT Infrastructure Management and Support.
* 3.0 years of experience as DevOps Engineer in Automating, building, deploying and releasing of code from one environment to other environment.
* Approximately 1.6 years of experience as an Oracle Database Administrator on Oracle Basic operations, Performance Tuning, Database Backup and Recovery, Exp/Imp, Data Pump, SQL and PL/SQL.
* Extensive experience in installation, administration and networking in various environments.
* Having experience on Linux server(RHEL).
* Interested in learning new technologies.

### Technical Skills

**As a DevOps Engineer**

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| --- | --- |
| Operating Systems | RHEL (6.4, 7.0 ) , CentOS and Windows |
| Cloud Platforms | AWS and Google Cloud Platform |
| Version Control Tools | GIT |
| Scripting Languages | Working Knowledge on Unix shell scripting |
| Configuration Management Tools | Ansible |
| Continuous Integration & Deployment Tools | Jenkins |
| Monitoring Tools | Nagios |
| Ticketing System | JIRA and Confluence |
| Virtualisation Technologies | Docker and Kubernetes for containers deployment |
| Web Servers | Apache Tomcat |
| Repository Management Tool | Nexus |
| Code Analysis Tool | Sonarqube |

**As an Oracle DBA**

|  |  |
| --- | --- |
| Operating Systems | RHEL 7.0 |
| Databases Versions | Stand-alone oracle (9i, 10g, 11g, 12c and 19c) |
| Languages | SQL, PL/SQL |
| Shell Scripting | Unix shell scripting for Database monitoring |
| Tools & Utilities | JIRA, PMDB |

### Experience

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| --- | --- | --- |
| **Organization** | **Technology** | **Duration** |
| Tech Mahindra Ltd | DevOps Tools &  Oracle DBA | 26/05/2018 – Till date |

### Work Summary

|  |  |
| --- | --- |
| **Project Domain** | Banking domain <Manufact M> |
| **Project Name** | Glass RTS project |
| **Clients** | Santander Consumer Bank |
| **Role** | DevOps Engineer & Oracle DBA (Core Operations)> |

### Activities Performed as DevOps Engineer

* Built Continuous Integration environment (Jenkins) and Continuous delivery environment (Ansible).
* Integrated delivery (CI and CD process) Using Jenkins and Ansible.
* Responsible for creation and management of Ansible Modules.
* Involved in DevOps automation processes for build and deploy systems.
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as **Tomcat**, **Apache**, **Oracle** and **MySQL**.
* Implement the Build automation process for all the assigned projects in Vertical Apps domain.
* Performed deployment, on-going maintenance & configuration of systems for maximum availability, security, performance, and documentation in a **Linux** based production environment.
* Monitor the UAT/Production Environments for any down time issues by performing regular cron job updates in servers.
* Support the code builds by integrating with continuous integration tool (Jenkins)
* Troubleshooting Maven scripts, Installed Jenkins, written shell script for end-to-end build and deployment automation.
* Written **Maven** scripts, Installed Jenkins, written shell script for end-to-end build and deployment automation.
* Used **Jenkins** as continuous integration tool: creating new jobs, managing required plugins, configuring the jobs selecting required source code management tool, build trigger, build system and post build actions, scheduled automatic builds, notifying the build reports etc.
* Used **Git** as source code management tool: creating local repo, cloning the repo, adding, committing, pushing the changes in the local repo, saving changes for later (Stash), recovering files, branching, creating tags, viewing logs etc.
* Used **Ansible** scripts (pom.xml) as build frameworks/scripts.
* Automating various activities using scripting languages like shell based on the requirements
* Used **Nagios** as IT infrastructure monitoring tool: monitoring host resources such as processor

load, disk usage, system logs, monitoring applications, services and network protocols.

* Able to create scripts for system administration and AWS using scripting such as SHELL.
* Used **Nexus** repository tool for maintaining the java based release code packages.
* Maintain a Live Like environment to test any production issues on the setup and push it into production.
* Used **Sonarqube** for static code analysis to check the bugs, smells and vulnerabilities in the code.
* Responsible for distributed applications across hybrid AWS and physical data canters.
* Identify new tools/technologies that will make the release and SCM process more efficient, repeatable, reliable, and cost effective. Managing all aspects of the software configuration management process including code compilation, packaging / release methodology, and application configurations.
* Responsible for scheduling release promotions to Test, Training, Validation, Production environments and preparing Release Notes.
* Created Jobs in Jenkins, and set up global permission and scheduling jobs.
* Designed, Created and Managed Continuous Build and Continuous Integration environments in agile projects, combining and automating tools to provide detailed Metrics and rapid feedback for development teams.
* Provided installation & maintenance of Ansible infrastructure and developed Ansible modules for configuration management.
* Used **Kubernetes** to deploy containers to all kinds of clouds and physical machines.

**Environment:** Linux Redhat**,** Jenkins, JIRA, Ansible, GIT, AWS, Nexus, Sonarqube, UNIX Shell Scripting, Linux (RHEL 6.x /7.x), Nagios, Tomcat, Docker, Kubernetes.

### Activities Performed as an Oracle DBA

* Experienced in providing 24X7 support to maintain all Databases up and running in production environment.
* Good knowledge on Oracle Database Architecture.
* Experience in Import & Export, data pump (expdp/impdp) Utilities.
* Experience in taking RMAN Backups.
* Very flexible and can work independently as well as in a team environment.
* Experienced in Upgrading the Oracle database.
* Creating users and providing quotas, roles, privileges to users.
* Backup and Recovery issues
* Deploying mail alerts and configuring the scripts, to automate manual DB health checks for alert log errors, DB health, DB status, Listener status, RMAN backups etc.
* Refresh of Test and Development databases using RMAN.
* Working with Oracle(Support) to resolve databases issues / bugs.
* Daily health checks on all Databases.
* Monitoring mount points and Space management of archive logs.
* Performing materialized views refreshes.

### Achievements

* Awarded Pat On Back(POB) in January 2019.
* Got Pat On Back(POB) award in March 2020 & December 2020.
* Winners award for Basket Ball District Basket Ball Mobile Tournament and inter-TECHM tournament.

### Education

* B. TECH in Electronics and Communications Engineering - 2017

### Personal Information

Date of Birth : 15th July 1996

Marital Status : Single

Permanent Address : 39-13-11, Murali Nagar, Visakhapatnam-530007.

**Declaration:**  
  
I hereby declare that the information furnished above is true to the best of my knowledge.

Gowtham Sri Manikanta Barla