RAMESH RAJU SANGARAJU

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**PROFESSIONAL SUMMARY**

* Over 12 years (3 years on DevOps & 9 years on software development) of IT experience in diversified fields of AWS Cloud, DevOps, CI/CD, Automation, optimizing critical deployment in Aws Cloud, Logging and Monitoring, AWS account management, Identity and Access Management (IAM), Configuration management, Log Management, auto scaling, load balancing and development, implementation and support for various enterprise applications based on Java Technologies and RDBMS.
* Designed Architectural improvements, design, and integration solutions, and formulated methodologies to optimize object-oriented software and database development.
* Designed and Implemented 3 tier architecture with Web, Application and Database servers using Elastic Load Balancer (ELB) with Route 53 DNS registered
* Architected and Implemented AWS Cloud cost effective solution for non-Production environment such as Development, Testing etc.
* Hands-on experience with Code Management tools like Git and RTC(Rational Team Concert)
* Good working experience in Build/Release/ Configuration and other DevOps methodologies, setting up, maintaining CI & CD pipelines and delivering releases for multiple applications running on Linux based distributed Infrastructure.
* Configuring, managing & maintaining a Master and Slave machines using Jenkins
* Experience in integrating JUnit Tests and Code Quality Analysis Tools
* Experience in Configuring and deploying to Application Servers Tomcat, Implementing Ansible for the configuration management (YAML scripts)
* Hands on experience on creating Docker Images, Containers, tagging and pushing

to Docker hub, Implementing Serverless Architecture, Prometheus and Grafana,

& Jira

* Worked with IDEs like Eclipse, AST, RAD, VS code, STS IDE.
* Frameworks those I have worked with Spring MVC, Spring Boot and S1 Frame work.
* Worked with databases like Oracle, MySQL, DB2
* Creating Cloud Watch alerts for instances and using them in Auto scaling launch configurations
* Extensive experience in using AWS services such as EC2, S3, Lambda, Cloud formation, IAM and EBS.
* Understanding of various protocols and services including TCP/IP, HTTP & HTTPS
* Good analytical, problem solving, communication skills and can work either independently with little or no supervision or as a member of a team.

**TECHNOLOGIES**

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| --- | --- |
| Cloud Platforms | AWS |
| Cloud Services | IAM, Ec2, S3, EBS, ELB, Route53, SNS, CloudFront, SNS,  Auto Scaling, Cloud Watch, Elastic Beanstalk |
| Languages/Scripts | Java, Shell scripting, Bash, Json, YAML, Groovy |
| Operating Systems | Linux, Windows |
| Version Control Tools | Git, Github, RTC(Rational Team Concert) |
| Build Tools | Maven |
| CI/CD | Jenkins |
| Databases | MySQL, NoSQL |
| Configuration Management Tools | Ansible |
| Containerization and Orchestration Tools | Docker, Kubernetes |
| Monitoring Tools | Splunk, Nagios, CloudWatch, Prometheus, Grafana |
| Web services/API’s | Micro services and, Rest API |
| Development/Design Tools | Spring tool suite, Postman, Visual Studio Code, Putty, JIRA,HPSM |
| Security tools/Frameworks | SSL, LDAP, Active Directory, Kerberos |
| Application Servers/Web Servers | Apache tomcat, IBM Web Sphere, Web Logic |
| Process/Methodologies | Agile, Scrum, SDLC |
| Testing Frameworks/Code | Junit, Sonarqube |

**ORGANIZATIONAL EXPERIENCE**

## **Devops and Cloud Engineer, Maybank Sdn Bhd, Kuala Lumpur from March 2019 to Till Date**

* **Chief Product Engineer, Maybank Sdn Bhd, Kuala Lumpur from February 2017 to February 2019**
* **Senior Software Engineer, Maybank Sdn Bhd, Kuala Lumpur from May 2013 to January 2017**
* **Software Engineer, Maybank Sdn Bhd, Kuala Lumpur from April 2010 to April 2013**

**AWARDS / ACHIEVEMENTS**

* **Best Scrum Team of Maybank for the Sprint**

**EDUCATIONAL BACKGROUND**

* **Master of Computer Application (MCA), JNTU Hyderabad, Hyderabad**
* **Bachelor of Computer Science, Sri Venkateswara University, Tirupathi**

### Project: RETAIL HIRE PURCHASE, March 2019 – Present

**Role**: Cloud and DevOps Architect

**Project Description**: Retail Hire Purchase is a Loans Origination project whereby it is designed to support customer installment processes. this process applicable for both NTB (new to bank) and ETB(existing to bank), In this AA process there will checking of customer profile against various third party system like CCRIS, FDS, if there is no any violations will proceed for the approval and generate the loan account. Loan will be disbursement to the respective party upon approval. Here we created cloud infrastructure for application and database, containerization, and deployment of micro services in AWS and RedHat OpenShift platform. Planning and upgrading micro services application software which include packaging, integration and testing

**Technologies:** AWS, RedHat Openshift, Cloud Formation, CICD, Ansible, Splunk, Apache, Tomcat, Jenkins, Docker, Kubernetes and Micro services, GitHub, Jenkins, Elastic Search Sonarqube, mySQL, Automation

# Responsibilities:

* Responsible for managing scrum, scope, planning, tracking, change control, aspects of the project
* Managing projects, requirement gathering, writing design & technical/functional specification, developing and implementation of Business solution
* Planning and setting up of Continuous Integration for various properties on Jenkins with Commit, Component, Assembly, Deploy and Smoke jobs.
* Creating Jenkins AWS Cloud Infrastructure Jobs Including VPC, subnets, NAT gateways, Internet gateways, EC2, S3, Tagging, RDS using Cloud Formation yawl scripts stored in GIT Repo
* Integrated Jenkins with GIT, Ansible, AWS to create Infrastructure as a code automation.
* Extensive knowledge on automating the infrastructure using Cloud Formation, Ansible, Jenkins, GIT, Bash script.
* Have written Ansible playbooks to automate apache, tomcat and database servers.
* Created Infrastructure as a code using Cloud Formation yaml scripts.
* Leveraged Ansible configuration management tool to automate the web servers, applications servers and database server configurations from single source using Ansible Master Server.
* Played multiple roles including application team, platform team, DevOps teams to gather the requirements and modify the AWS Cloud
* Implemented docker containerization for multiple java micro services and created Kubernetes clusters on preprod environment.
* Created Search queries in Splunk Using Search processing language (SPL).
* Enabled developers and QA to deploy and test applications via Jenkins using various scripting technologies (i.e., Shell & Bash).
* Responsible for handling the Schema, Storage, Indexing and Reindexing micro services and end to end testing and validation in CI/CD using Jenkin jobs in Redhat OpenShift/AWS.
* Performed Functional, Integration tests of all the services using Postman tools
* Performed code coverage for all the Micro services by using Jacaco.

# Project: RBS (REGIONAL BRANCH SOLUTION), Maybank Sdn Bhd, February 2017 – February 2019

**Project Description:** RBS (Regional Branch Solution) is a system designed for Maybank branch tellers to perform daily activities in the bank like Account Opening, Payments,

Branch operations, Remittance, Back office, Teller Administrative Module. RBS offers consistent customer service, designed to build a foundation for regionally standardized teller platform that enables branch of the future.

**Role**: Chief Product Engineer

**Technologies**: Java 8, React JS, Spring boot, Spring Batch, Spring Data JPA, Maven, IBM DB2.

# Responsibilities:

* + Responsible to perform the requirement analysis, requirement feasibility and impact analysis for change requests.
  + Responsible for development of Inward FTT and Outward FTT UI components in remittance module.
  + Responsible for development of Rest API's by using spring boot application.
  + Designed a template for performing code review by peers and application integration leads.
  + Responsible for providing production support without breaching service level agreements (Impact analysis, technical patches).
  + Responsible for design and development of batch programs that perform heavy data transfers and data manipulations.
  + Worked on UV vouchers printing for transaction successful cases.
* Responsible to lead the team members in key architectural discussions and change request release plans.
* Responsible for daily builds/deployments from Integration environment through staging environment.
* Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Coordinate with Release Management regarding appropriate system releases among other development platforms.

# Project: RBS-SG, Maybank Sdn Bhd, May 2013-January 2017

**Project Description:** Seamless system to serve customers to involve in monetary transactions like Cash Deposit, Cheque Deposit, Cash Withdrawal and Cheque Withdrawal functions.

**Role**: Senior Software Engineer

**Technologies**: Java 8, Spring Boot, Spring Data JPA, DB2, Spring Tool Suite, RTC.

# Responsibilities:

* + Attended the workshops with team to understand the system, process, design and interface model
  + Responsible for development on Rest API's of Deposit and Withdrawal modules.
  + Worked on to configure the TAU machine for Deposit and withdrawal purposes
  + Involved in post-production issues to resolve as per requirements

# Project: JPJ, Software System & Applications Sdn. Bhd, April 2010-April 2013

**Project Description:** The main purpose of this project developed for JPJ is to digitize the current process of examination and issuance of the Malaysian driving license, road tax, vehicle registration and relevant documents management system for the service consumers.

The project involves analysis, design and establish the system integration requirement for Puspakom System and JPJ System in order to obtain a common understanding and agreement for the functional deliverable.

**Role**: Software Engineer

**Technologies**: Java, Spring MVC, MySQL, Hibernate, Eclipse, Aqua Data Studio, Tomcat 6.0, Shell Script.

# Responsibilities:

* + Responsible for development, design and implementation of Java applications.
  + Responsible for interacting with business to understand the life cycle of functional modules with in the application.
  + Involved in development of batch processing applications.
  + Developed authentication and authorization module for the application.
  + Involved in training the business on application usability and maintenance.
  + Responsible for writing detailed design documents.