**VenkatRaj BG**

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| **Core Competencies**  **Core Java/J2EE**  **Spring MVC , hibernate framework**  **Web services**  **Service Virtualisation Framework**  **Service Test Framework**  **Genie Bootstrapping**  **ELK stack development**  **AWS Cloud Services**  **Devops Tools: Ansible, Terraform, Jenkins, Podman**  **Production Support L3 and L2** |  | **Profile Summary**   * Overall **9 plus years** of experience in IT industry, in various projects adhering to phases of software development life cycle which includes system study, analysis, design, development, testing and implementation. * Good experience using tools like SVN & GIT for source-code management. * Hands on Experience in Java/J2EE technologies using Spring MVC, JSP, Servlet, JDBC and Web Services. * Experience in working on Agile methodology, and exposure in using version one and JIRA for tracking of scrum tasks. * Experience in working with IBM WebSphere application Server, IBM WebSphere portal server. * Experience in developing virtual services and service Test frameworks using Broadcom DevTest tool. * Experience in java production support at Level3 and level2. * Experience in providing solution for technical issues and bootstrapping in Genie (In- house automation framework of SCB) * Experience in ELK stack development, Kibana dashboarding, Grafana dashboarding and beats custom extension using golang. * Experience in migration of tools and services from on-prem to Aws cloud. * Experience in Devops tools to automate application deployments and Test environment monitoring solution. |

**Organisational Experience**

**Standard Chartered Global Business Solutions, Chennai Nov `16 - Present**

**Cognizant Technology Solutions, Chennai Oct’11 - Nov`16**

**Major Projects**

**Test Assurance Dashboard using ELK.**

* Project Description:
  + Test Assurance Dashboard (TAD) is a dashboard which will help automate the process of manually maintaining the status of applications & integrating the dashboards to have a holistic view of applications.

* Responsibilities:
  + Develop JAVA REST service to perform the business logics by reading the indices & create new indices based on which the dashboards will be created.
  + Develop customization in the kibana source code to enable various table view options in the Kibana dashboard.
  + Support the environment setup activities and devops related activites for the deployment of the ELK stack solution.

**Test Environment monitoring solution, TEMBeat development to monitor the test environments.**

* Project Description:
  + TEMBeat is an automated solution to meet the Test Environment Monitoring requirements for the application teams.
  + TEMBeat is a combination of ELK stack along with the Grafana dashboarding and beats components like metricbeat, filebeat, winlogbeat, heartbeat along with a custom beat developed by extending the metricbeat opensource package using golang.
* Responsibilities:
  + Develop the custom beat by extending the metricbeat open source package using golang to enable monitoring of few parameters which were not readily available from the metricbeat opensource version.
  + Develop a REST service using Jasper report plugin to enable the reporting feature in Grafana by invoking the REST service.
  + Support to enable application team to onboard TEMbeat to monitor their test environments.

**AWS cloud migration of test engineering tools and services.**

* Project Description:
  + Migrate the tools/services of test engineering team residing in on-prem servers to AWS cloud.
  + Enable automated deployments of third party vendor tools in the AWS cloud environment.
* Responsibilities:
  + Lead and manage the migration of all the test engineering tools and services from on-prem to AWS cloud.
  + Identify the AWS resources needed for the migration and utilize the resources in an efficient way to save costs.
  + Design and develop plan to migrate the services without any data loss and minimum downtime.
  + Develop ansible playbooks and Jenkins pipeline scripts to enable automated deployments of tools and services.
  + Develop terraform scripts to spin up ec2 instances and RDS instances along with user data configuration for automated deployments.
  + Enable automated backup of project related informations using EFS and S3 bucket.

**Genie Technical Support, Genie Bootstrapping.**

* Project Description:
  + Genie is an Standard Chartered official Test framework, It is a centrally developed, maintained and funded suite of products aimed at assisting the bank in it's Agile transformation, facilitating the move from legacy manual approaches to testing towards a more modern, Automated approach.
* Responsibilities:
  + Provide solutions to Technical queries raised by users.
  + Bootstrapping engagements with new users.

**CA Devtest Technical Support, Bootstrapping engagements.**

* Project Description:
  + CA Service Virtualization lets you virtualize software service behavior and model a virtual service to stand in for the actual service during development and testing.
  + CA Service Virtualization, formerly known as LISA, captures and simulates the behavior, data and performance characteristics of complete composite application environments, making them available for development and test teams throughout the software lifecycle, for faster time-to-market.
  + In software engineering, service virtualization is a method to emulate the behavior of specific components in heterogeneous component-based applications such as API-driven applications, cloud-based applications and service-oriented architectures.
* Responsibilities:
  + Design and development of service virtualization framework for various intermediatery services and interfaces, involving various protocols like SOAP, REST, MQ, JMS TOPIC, ISO messages, SWIFT protocol.
  + Design and development of Service Test Automation framework for automation regression packs.
  + Develop custom scriptable protocols to handle out of the box requirements for CA Devtest.

**Developing self-service portal for ALM application.**

* Project Description:
  + ALM – Application Life Cycle Management is a tool used for managing user creation, project creation for CA Dev test.
  + Developing an automated self-service portal using spring MVC, angular JS to enable user creation and project creation using a web based UI application.
* Responsibilities:
  + Requirement analysis
  + Estimation
  + Design and Develop solution approach
  + Coding and Unit Testing

**Developing service virtualization as a service.**

* Project Description:
  + CA Dev test is extensively used for creating virtual services involving protocols such as xml, WebSphere MQ’s.
  + Developing spring based web application which will use the API’s provided by CA to create, deploy and stop/remove the virtual services.
  + Developing Rest based service interface to interact with the database using hibernate and dev test API’s.
* Responsibilities:
  + Requirement analysis
  + Estimation
  + Design and Develop solution approach
  + Coding and Unit Testing
  + Testing support
  + Creating deliverables for release

**Level III production ticket analysis**

* **Client: CIGNA for health care professional.**
* Project Description:
  + HCP portal is extensively used by Hospital providers such as doctors, nurses and other technical and non-technical staffs to check for patient’s benefits and claims information’s.
  + The application consists of a portal layer along with three service integration layers.
  + Portal layer is built with Spring MVC framework and the services layer is built with spring integration services.
* Responsibilities:
  + In-depth analysis of the issue along all the layers of the application and providing the most accurate solution meeting the client requirements.
  + Analyzing all the service calls made to backend services and documenting the exact issue to carry out the code changes.
  + If the code changes are within the scope of the LIII team, then we will go forward and make the changes.
  + Providing support during the production check-out for all the sprints and ensuring all the issues are fixed for that particular sprint.
  + Conducting team meetings at regular basis and providing the state of ticket analysis and making sure there are no potential back-logs

**Small Enhancement of MYCIGNA and CHCP portal functionalities.**

* **Client: CIGNA for health care professional.**
* Project Description:
  + Cigna is a global health service company that offers health, life, accident, dental, and disability insurance, and related health services in an effort to help the customer.
  + HCP portal is extensively used by Hospital providers such as doctors, nurses and other technical and non-technical staffs to check for patient’s benefits and claims information’s.
  + MyCigna portal contains various modules called Coverage(s), Claims, EOB, Accounts, Home Delivery Pharmacy, Incentives and HCP Directory which is used to display the customer’s information based on the coverage plan.
* Responsibilities:
  + Evaluated the existing and the proposed systems, critically analyzed the information gathered from multiple sources, decomposed high-level information into details, abstracted up from low-level information to create general understanding document.
  + Collaborated with the functional team to analyze information needs and delivered functional and technical requirement documents.
  + Providing the code changes as expected from the requirement documents and providing technical assistance during the production roll out process.
  + Single point of contact for all CHCP portal portal functionalities and providing the best possible solution for upgrading the functionality for user convenience.

**IM Tickets**

* **Client: CIGNA for health care professional.**
* Project Description:
  + Project Type: Production Support working, on Level2 tickets
  + Technologies and Tools: Java, RAD, SQL developer, HPSM, SoapUI, Putty
  + Client Description: CIGNA, Cigna is a global health service company dedicated to helping people improve their health, well-being and sense of security.
  + Description: Resolving the production issues identified in the Provider portal application of CIGNA. This resolution extensively requires application knowledge and the best solution approach, adhering to the SLA.
* Roles and Responsibilities:
  + Issue understanding and analysis
  + Functional analysis
  + Maintaining ticket SLA
  + Communication to other teams about the issue
  + Testing the functionalities
  + Attending weekly team meetings for production tickets

**IT Skills**

**Tools** HP ALM, Broadcom DevTest, SOAP UI, IBM WebSphere, SQL Developer, Rally, Version ONE, JIRA

**IDE’s** Rational Application Developer, Eclipse, IntelliJ, Visual studio code

**Academic details**

* **B.E.**  (Mechanical Engineering) from Sri Venkateshwara College of engineering, Sriperumbudur, Affiliated to Anna University, with an aggregate of 78%.
* **12th** from SMJV Higer secondary school 2007; secured 92%
* **10th** fromKola Saraswathi Senior secondary school 2005; secured 87%

**Personal Details**

**Date of Birth:** 02nd February 1990

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