**CHETHAN G**

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**PROFILE SUMMARY**

* A total 6.1 years of experience in IT industry including a relevant of 4 years into **Performance Testing & Engineering**
* Experience in Requirement gathering, Test environment set up , Test planning, Test case design, Scripting, Benchmarking, Scenario design & execution, Monitoring and Analysis
* Involved in analyzing and performance tuning recommendations for JVM, Heap Dump, GC Logs and Thread Dump
* Involved in improving application performance by identifying performance bottlenecks at different tiers
* Involved in Identifying performance Database parameters, Web Server parameters and WAS Parameters
* Gained experience in different load testing methodologies
* Hands on experience using HP LoadRunner and knowledge of JMeter & Blaze Meter
* Experience in Manual/Functional Testing and Software Development
* Performance and quality Demonstrated excellence by working in **Banking & Finance, Retail** domain
* Gained experience in **Waterfall and Agile** methodologies

**ORGANIZATIONAL EXPERIENCE**

**May’14 – Jan’17** Attra InfoTech Pvt. Ltd., a CMMi maturity level-5 IT services company

**June’10 – Jan’14** ITC Infotech Pvt. Ltd., a SEI CMM Level-5 company

**IT SKILLS**

**Testing Tools :** HP Load Runner 11.52 & 12.0

**Monitoring & Analysis Tools :** Perfmon, SiteScope, Java VisualVM, SQL profiler, JProfiler, CA Wily Introscope,

Dynatrace, Fiddler,Wireshark, SOAP UI

**Database :** Oracle, IBM DB2

**Languages :** C, Java, SQL, PL/SQL, JCL

**RDBMS :** Oracle 10g, MySQL

**Web Technologies :** HTML, XML, Java Scripts

**LR Scripting Protocols :** Web (HTTP/HTML), Web Services, Mobile Protocol & TruClient

**Operating System :** Windows, UNIX

**Web/Application Server :** Apache Tomcat, Web Logic & IBM Web sphere

**Bug Tracking Tool :** HP QC/ALM

**ACADEMIC DETAILS**

* **B.E** with **First class** in **Electronics & Communication** Engineering from **New Horizon College of Engineering, Bangalore**

**PROJECTS UNDERTAKEN**

**1)Performance Testing of REPCO ERP System**

**Company:** Attra Infotech Pvt. Ltd

**Client:** REPCO Auto store, Australia

**Period:** May 2014 to January 2017

**Protocols:** Web (HTTP/HTML), TruClient, Flex

**Tools Used:** HP Load Runner 11.52 & 12.0, JProfiler, Java VisualVM, Perfmon, SiteScope, Java VisualVM,

JProfiler, CA Wily Introscope, Dynatrace, Fiddler

**Role:** Performance Testing and Engineering

**Domain:** Banking & Finance, Retail

**Description:** Repco is an automotive parts supplier and reseller based in Australia. The project is about processing the customer orders through online by validating customer’s credit card history and automating all the store activities. The project is focused mainly on testing the online process and automation process for helping the customers as well as the business. This project involved Performance testing and tuning for application based on different platforms integrated together for Custom Fleet Business.

**Role:**

* Static performance analysis of critical transactions comprising page size measurements and collecting connection metrics for the application.
* Implementing various changes in application’s JVM settings to settle down for the best scalability scenario
* Involved in Script development for load simulation based on workload characterization
* Adopt the strategy, design guidelines, checklists, and scenarios as developed and tested in the script development phase.
* Monitoring performance (CPU & memory utilization of servers, Throughput, queue length, Thread count, hits per sec etc.)
* Highlighting and tracking the identified issues and risks in time to client and other stakeholders of development and delivery teams
* Collecting thread dumps and other investigative data to find out the root cause, decide on the best garbage collection policy for the application
* Installing and configuring the load generator, load console
* Preparation of performance measurement report: consolidation and analysis of the test data, creating a final report on findings based on collected performance statistics.

**2)Performance Testing of Proficiency Management Tool**

**Company:** Attra Infotech Pvt. Ltd

**Client:** Attra Infotech Pvt. Ltd (Internal Project)

**Period:** April 2016 to June 2016

**Protocols:** Web Services, Web (HTTP/HTML)

**Tools Used:** HP Load Runner 12.0, JMeter, SOAP UI, JProfiler, Java VisualVM

**Role:** Performance Testing

**Description:** This Application is built for all employees of Attra to save their primary skills and domain, and on which tool and methodology they have worked on. This will create a database and easily accessible for the sales team to bid on a new project and check in this application if Attra has the employee with the skills for what project they are bidding for.

**Role:**

* Involved in Script development for different Web services
* Monitoring and tuning the performance of the web server
* Highlighting and tracking the identified issues and working with Dev team to resolve the degradation
* Enhancements of the application and re-testing the code for performance improvements.

**3)Mobile App Performance Testing for SBI Credit Card API**

**Company:** Attra Infotech Pvt. Ltd

**Client:** State Bank of India

**Period:** Feb 2016 to April 2016

**Protocols:** Mobile Application – HTTP/HTML

**Tools Used:** HP Load Runner 12.0, JMeter, SOAP UI, JProfiler, Java VisualVM

**Role:** Performance Testing

**Description:** The project is about Performance testing of a mobile API which is designed for SBI credit card customers. The mobile app has been developed for both Android and iOS operating systems. The project is focused mainly on testing the API for different credit card processes for helping the customers as well as the business.

**Role:**

* Environment setup for the API to test on both Android and iOS platform
* Developing load simulation scripts for load testing runs on each mobile app process
* Highlighting and tracking the identified issues and working with Dev team to resolve the degradation
* Load run execution for different transactions and analysis

**4) Performance Testing MFI3 Reporting**

**Client:** Danske Bank, Denmark

**Period:** Dec 2012 to Jan 2014

**Role:** Performance Testing

**Protocols:** Web (HTTP/HTML)

**Tools Used:** HP Load Runner 11.52, JProfiler, Java VisualVM, Perfmon, SiteScope, Java VisualVM, JProfiler,

SQL Profiler

**Domain:** Banking & Finance

**Description:** This project involved in Performance testing of MFI3 module which is a data warehouse reporting application. The application is Web based, soap request based (web services) and Oracle Forms. Have done recording and replaying of scripts using different protocols available in HP LoadRunner as well as have done execution of complex scenarios.

**Role:**

* Developing load simulation scripts for load testing runs using load runner
* Network & bandwidth measurement for the application.
* To find out performance bottlenecks.
* To decide on the best garbage collection policy for the application.
* Load run execution for different transactions

**5) FINREP Reporting**

**Client:** Danske Bank, Denmark

**Period:** Dec 2011 to Dec 2012

**Tools Used:** HP Quality Centre

**Role:** Functionality Testing

**Domain:** Banking & Finance

**Description:**

The project is about creating a monthly report which should be sent to Bank of Denmark. The project has 100% focuses on test, with the help from the users both from Group accounts in general and their RD department. Status is being reported two times per week to the Steering Committee. The complete project is maintained in Agile methodology.

**Role:**

* Design and documenting Test Cases for new controls.
* Executing Test Cases Manually and reporting defects in Product Studio.
* Test Case Management, Task Distribution and reviewing.
* Executing various Tests like GUI Test, Functionality Test, Localization Testing, Globalization Testing and Smoke Test.

**6) RBS Migration - RAINBOW**

**Client:** Santander Bank, United Kingdom

**Period:** June 2010 to Dec 2011

**Environment:** Oracle 10g, PL/SQL, DB2, SQL, JCL, UNIX

**Role:** Development and Testing

**Domain:** Banking & Finance

**Description:**RBS Migration Rainbow Project is a data migration from RBS database to Santander Partenon database. The Process involves getting RBS extracted data from RBS database in an extracted flat file and generate reformatted data file which would later get loaded into Partenon database. Modules include Personal Accounts, BDP Customer, and Multi-Channel Credential systems.

**Role:**

* Analysis and Understanding the functional specifications and converting it to technical document
* High Level and Low Level Design Preparation.
* Coding
* Unit Testing, preparation of UTR and Checklist
* Code review
* Responsible for preparing detailed test plan and reports based on the functional requirements.
* Executing various Tests like GUI Test, Functionality Test, Smoke Test, System Test, Database Testing, User Acceptance Test.
* Periodical updates and involved in the internal QA audit while releasing the modules
* Creating SQL queries to validate the data loaded in the staging table to load the data in the core table as per the business requirements
* Testing the Oracle Codes using Unix shell scripts
* Fixing and amending the codes after the DDS version amendments