**Chaitanya Kumar Nara**

**Testing Leader**

**Mobile: +1 (469)-746-9211**

**Experience Summary**:

* Over 15+ years of experience in the IT industry - Telecom Domain.
* Experience in various roles as Test Engineer, Automation Engineer, QA Lead Engineer & DevOps Engineer for SONETEL
* Good working experience as Cloud Test Engineer (AWS), Test Engineer  
  (Manual, Automation, API Performance testing) of the web, mobile applications, and DevOps  
  engineer (Jenkins CI/CD, Ansible, Docker,)
* Involved in Manual Testing (System testing, Sanity Testing, Database Testing, Stack Testing, GUI Testing).
* Hands-on experience with AWS environment - EC2, CDN, RDS, ECS, ELB, EBS, S3, VPC, IAM, Lambda, Cloud Watch, HA Zones & regions
* Extensive experience in API testing using Postman.
* Hands-on with Web Application deployment and maintenance of Tomcat,  
   KAFKA, REDIS, Oracle database, MongoDB on Amazon Web Service (AWS)
* Strong knowledge of DevOps tools like Docker and Kubernetes
* Involved in developing automation scripts for telephony testing using PERL, SIPp
* Worked on opensource telephony applications like Opensips, RTPProxy
* Involved in developing automation scripts for Web portal testing using Ruby, and WATIR.
* Involved in developing automation scripts for web services testing using Groovy, and SOAPUI.
* Hands-on experience in testing Android apps.
* Developed Web apps automation framework using Python, Selenium
* Managing test and production environments MongooseIM (chat service) with Ansible and Docker
* Good hands-on experience with Windows, LINUX, Android, iOS, Oracle, MySQL
* Understanding the functional requirements of the application and reviewing the documentation for accuracy and completeness.
* Design and preparation of test cases for various test scenarios by understanding the functional requirements of SRS.
* Updating STCs for newly added features.
* Responsible for Test Bed Setup.
* Lead the movement of Production environment servers from physical rack space to AWS cloud.
* Involved in testing the functionality and usability of the system from an end-user perspective.
* Analyzing the test results prior to the defect logging.
* Excellent analytical and problem-solving skills including a high degree of attention to detail and accuracy.
* Self-motivated and able to work independently or with a team

**Technical Skills**

|  |  |
| --- | --- |
| Testing Tools | Selenium, Postman, SoapUI, SIPp, WATIR, Appium, Wireshark |
| Language/ Script | Java, Python, Perl, SQL, PLSQL, Groovy, RUBY, CURL |
| Frameworks | Page Object, Hybrid, Data Driven, TestNG |
| Database & Tools | Oracle, MySQL, REDIS, TOAD, MongoDB |
| Protocols | SIP (VOIP), HTTPS, XMPP, STUN, RTP, RADIUS, JSON |
| VOIP Phones | X-lite, 3CX, Grandstream, Yealik |
| Bug Tracking Tools | JIRA, Bugzilla |
| Build/Version Control Tools | GIT, Jenkins, Maven, CVS |
| Methodologies | Waterfall, Agile |
| Operating Systems | Windows, Linux, Android, iOS, MAC |

**Professional Experience:**

**Client: Sonetel AB, Dallas TX July 2022 – Present**

**Project: Web App and Mobile apps**

**Role: Test Architect**

**Description:**

This project has both manual testing and developing an automation framework to test the Web APP & mobile apps.

All the functionalities in Web Portal are being migrated to new WebApp with additional functionalities like Chat, Groups, Widget etc.,

Developed a reliability testing suite to test the login and chat functionalities across users

**Responsibilities:**

* Participate actively in scrum meetings and all other sprint ceremonies.
* Analyze the automation requirements and develop a test plan or test approach, derive test estimations
* Automation of test cases using Selenium Web driver, TestNG, Page object Model (POM)
* Automate all the User Stories within the sprint & execute them for the releases
* Perform Data Validations in SQL using Automation.
* Perform code review of the Automation Scripts developed by Test team members.
* Merge the In-sprint automation and Maintenance of the health of the Regression suite.
* Analyze, reproduce and report the bugs and keep a track of them.
* Conduct defect triage and prioritize the defects.
* Perform different types of testing including Integration testing, database validations, and End to End System testing.
* Execute the automation scripts on a weekly basis or on-demand basis and share the results.
* Make sure all the requirements are tested and no defects are leaked to production.
* Ensure all the testing activities are completed on schedule.
* Frequently checked the status with the team to ensure the timely delivery of milestones.
* Design and Build REST API functional test automation scripts using POSTMAN
* Configure the CI jobs and work with DevOps in building the CICD Pipeline.
* Technologies: Windows, Android, iOS, MacinCloud, Browser Stack, Linux, REST, JSON, POSTMAN, Selenium, Appium, Python, Java

**Client: Sonetel AB, Dallas , TX Sep 2020 – May 2022**

**Project: AWS Migration (from Sunnyvale, USA & Amsterdam to Cloud)**

**Role: Testing Lead, Test architect**

**Description:**

This project is aimed at the movement of the production environment from the physical rack space to the AWS cloud environment. Lead the movement by performing rigorous testing and making sure the transition is smooth without disturbing the live customer’s usability of our services.

**Responsibilities:**

* Worked on migration of physical Rackspace servers in Sunnyvale and Amsterdam to AWS cloud
* Testing of service availability on Cloud servers
* HA testing across AWS regions
* Data replication tests
* NGINX config updates
* Testing the Security of the system
* Ensure no disturbance to live customers during migration
* Technologies: VMWare, AWS Cloud (EC2, S3, NGINX, MongoDB, REDIS, VPC, IAM, CDN), Puppet, Artifactory

**Client: Sonetel AB, Sweden Jun 2014 – 2022**

**Project: Sonetel Web Services - API**

**Role: Sr. Test Engineer and Testing**

**Description:**

This project has both manual testing and developing an automation framework to test the web service (API) developed for partners and internal use. Partners can use these APIs and can provide their customers with the telephony services provided by Sonetel.

Different telephony services provided by Sonetel via web services are the Sale of international phone numbers, call back, Call thru, etc.,

**Responsibilities:**

* Analyze Business Requirements and participate in test estimation and creation of the test plan.
* Identify Test Scenarios and writing Test Cases by using Functional Specification Documents.
* Execute the test cases and analyze the test results.
* Responsible for Functional database testing.
* Perform data validations in the Oracle database to check for data integrity before and after migration.
* Involve in multiple cycles both full and incremental Migration Testing.
* Defect logging, retesting, and tracking using JIRA
* Take measures to ensure defects are not aged beyond set standards.
* Conduct defect triage meetings with managers and prioritized the defects
* Involve in Agile practices like Iteration planning, Daily stand up, Iteration Demo, and Retrospective meetings.
* Knowledge sharing with the Team members.
* Prepare Defect Reports, Daily Status Report, and Execution summary reports.
* Design and Build REST API/ Microservices functional test automation scripts using POSTMAN, Groovy, SOAPUI
* Monitoring and Creating Alerts Based on The Services Uptime With Tools Like Mix Panel, Gray Log Etc..
* Perform code review of the Automation Scripts developed by Test team members
* Technologies: Linux, REST, JSON, POSTMAN, SOAUI, Groovy, Microservices

**Client: Sonetel AB, Sweden Nov 2012– May 2014**

**Project: Sonetel Web Portal**

**Role: Test Engineer, Sr. test Engineer, Test Lead**

**Description:**

This project has both manual testing and developing an automation framework to test the web portal used by customers. Sonetel customers can use the web portal to manage their accounts like adding new users, payments, call settings, purchase of phone numbers, premium activation, etc.,

**Responsibilities:**

* Analyze Business Requirements and participate in test estimation and creation of the test plan.
* Identify Test Scenarios and write Test Cases by using Functional Specification Documents.
* Execute the test cases and analyze the test results.
* Responsible for setup of portal and services on test lab, staging, and prod
* Designed and developed the automation for a few functionalities like login and change call settings
* This framework is used as a monitoring service for the web portal on the production environment for alerting problems even before the customer reports
* Build management with a visual studio
* Responsible for Functional database testing.
* Perform data validations in the Oracle database to check for data integrity before and after migration.
* Involve in multiple cycles both full and incremental Migration Testing.
* Defect logging, retesting, and tracking using JIRA
* Take measures to ensure defects are not aged beyond set standards.
* Conduct defect triage meetings with managers and prioritized the defects
* Involve in Agile practices like Iteration planning, Daily stand up, Iteration Demo and Retrospective meetings.
* Knowledge sharing with the Team members.
* Prepare Defect Reports, Daily Status Reports, and Execution summary reports.
* Technologies: Windows dot net services, Inetpub, WATIR, RUBY

**Client: Sonetel AB, Sweden Feb 2011 – Sep 2012**

**Project: Telephony Automation**

**Role: Test Engineer**

**Description:**

This project is about developing an automation framework to test telephony cases. This is designed in such a way that anyone without a telephony background can also be able to add the cases in an easier way without consuming much time. Further enhancements are done to this framework to cut down the run time for using it for quick sanity on urgent builds.

**Responsibilities:**

* Designing and developing the automation framework
* Identifying tools for automation
* Involved in Setup and writing an automation plan
* Identify Test Scenarios and write Test Cases
* Technical discussions to enhance the framework
* Attending Requirements and review meetings
* Test execution and results analysis
* Made enhancements to speed up the automation process
* Technologies: SIPp, Perl, Linux, XML

**Client: Sonetel AB, Sweden Feb 2008 – 2011**

**Project: Telephony testing**

**Role: Test Engineer, Sr. Test Engineer, Test Lead**

**Description:**

The objective of this project is to develop an application called SONETEL SOFTPBX. This software system addresses the functions such as making IP calls, PSTN calls, Instant Messaging, voicemails, etc. This is a cost-effective system that uses SIP protocol at the application layer.

Soft PBX: It consists of REGISTRAR, Proxy Server, B2BUA, Presence, MRS, RTP Proxy, Asterisk, Database (DB), HTTP server, STUN Server, and AAA Server.

Registrar**:** It accepts REGISTER Request and places the information it receives in that request into the location service for the domain it handles.

Proxy Server / Opensips**:** Help route requests to the user's current location.

B2BUA Server**:** B2BUA Server’s significance lies in availing different services and associated features like IP call, call forward, call transfer, etc. to the Sonetel enterprise users.

**Responsibilities:**

* Involved in test lab design and Setup
* Identify Test Scenarios and write Test Cases
* Analyze Business Requirements and participate in test estimation and creation of the test plan.
* Identify Test Scenarios and write Test Cases by using Functional Specification Documents.
* Execute the test cases and analyze the test results.
* Technical discussions to enhance the scope of testing
* Attending Requirements and review meetings
* Test execution and results analysis
* Defect logging, retesting and tracking using Bugzilla, JIRA
* Technologies: C++, Linux, JIRA, GIT

**Education Summary:**

Bachelors of Technology (Electronics and Communication) - JNT University, India [2006]