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Summary

An Experienced **Principal Software Engineer** with 9+ years of IT experience in **Service Virtualization, API Testing , WebService Testing , UI Testing , Mobile Automation Testing , Linux Administration , CI/CD and Docker**. Having 6+ years of experience in **Agile methodology.**

Professional Experience Summary

* 9 years of experience in IT industry, in Test case design, development, **Performance testing**, **Automation** and implementation of applications using **JAVA.**
* Hands on experience in Core Java. Experience in Object Oriented analysis and design.
* Extensively used automated test tools like CA **DevTest** for **Performance testing**, **Selenium** & **Tosca Automation** for UI Functional and Regression Testing , **SOAP UI** for API testing.
* Experience in Mobile application Testing.
* Expertise in **SOAP** and **REST** web services.
* Expertise in writing Test strategy, Test Plan Preparation and Implementation, Test Case

Design, Test Tool usage, Test execution.

* Experience in various financial domains. Good knowledge on Banking, Retail, Insurance.
* Adept in identifying Test Scenario’s and Writing Test Cases by applying Test Case
* Design Techniques.
* Extensively worked on various Testing types such as **Functional**,

**Regression**, **Sanity**, **Smoke**, **Performance Testing, UAT Testing.**

* Good knowledge of SOA using CA ITKO LISA or DevTest.
* Strong understanding of virtualization using LISA. Hands on with design and development of virtual services using CA LISA with **HTTP**(S), JAVA, **WSDL**, **JDBC**, **MQ** techniques.
* Expertise in development, maintenance and execution of **Automation tests** using CA ITKO LISA or DevTest with efficient use of assertions, filters, data sets, sub-processes.
* Experience in **CI/CD** tools such as **Jenkins , Splunk , Docker** , **Confluence**.
* Experience in automation using shell script , efficient use of jenkins pipelines to automate the processes.
* Experience in Linux administration, monitoring tool **Splunk.**
* Experience in Mobile automation testing using Appium Java.
* Strong understanding of Mobile automation testing environment setup and cloud devices setup.

Credits

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| **Domain** | Banking |
| **Test Management** | HP QC, CA Rally, JIRA |
| **Application Handled** | Banking applications ,Digital wallet , Web applications |
| **Education** | BE (ME) |
| **Tools Worked On** | CA DevTest , Wiremock, SOAP UI , Jenkins , GIT , Rest Assured , Docker, Appium, Postman, Confluence, Selenium, TOSCA |
| **Defect Management** | HP QC, CA Rally and JIRA |

Project Experience

Project Experience

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| Client: – CitiBank  Company – Maveric Systems pvt ltd  Project: API & UI Testing  Role: Principal Software Engineer  Duration: June 2022 – current  Tools: SOAP UI , Postman , Selenium , TOSCA, HP QC, Splunk, JIRA  Type of Testing: Creating and Managing Test Plan ,API Testing, Service Virtualization.  Modules Worked: Cards , Payment | Description:  The project involved Application Testing UAT. The main objective of the project is to test new features or the enhancements added to the APIs.  Responsibilities:   * Designed and development of the automation framework. * Created automated test cases to run functional test cases. * Write, update, and maintain java code or software packages to handle specific jobs such as storing or retrieving data, or controlling other equipment. * Write, analyze, review, and rewrite programs, using java as per the updated requirement applying knowledge of computer capabilities, subject matter. * Perform or direct revision, repair, or expansion of existing scripts to increase operating efficiency or adapt to new requirements. * Consult with managerial and technical personnel to clarify program intent, identify problems, and suggest changes. * Compile and write documentation of program development and subsequent revisions, inserting comments in the coded instructions so others can understand the program. * Consult with and assist application teams or system analysts to define and resolve problems in testing the virtual services. |

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| Client: – Citibank  Company – Maveric Systems pvt ltd  Project: Quality Engineering  Role: Principal Software Engineer  Duration: Mar 2020 – May 2022  Tools: CA DevTest , Eclipse , Appium , CA Rally , CI/CD, MySql , Selenium, TOSCA  Type of Testing: Creating and Managing Test Plan , Automation Testing , WebServices Testing, Service Virtualization.  Modules Worked: Wealth | Description:  The project involved Application Testing in lower environments. The main objective of the project is to test new features added to the web application and mobile.  Responsibilities:   * Designed and development of the Mobile automation framework. * Design Service Virtualization architecture, create virtual service for HTTP and MQ transport protocols. * Update and maintain virtual services. * Created automated test cases to run functional test cases and performance test cases. * Maintain Jenkins pipeline for deployment and testing of services. Used jenkins pipelines to generate more sophisticated reports of test results. * Write, update, and maintain java code or software packages to handle specific jobs such as storing or retrieving data, or controlling other equipment. * Write, analyze, review, and rewrite programs, using java as per the updated requirement applying knowledge of computer capabilities, subject matter. * Perform or direct revision, repair, or expansion of existing scripts to increase operating efficiency or adapt to new requirements. * Consult with managerial and technical personnel to clarify program intent, identify problems, and suggest changes. * Compile and write documentation of program development and subsequent revisions, inserting comments in the coded instructions so others can understand the program. * Prepare detailed workflow charts and diagrams that describe input, output, and logical operation, and convert them into a series of instructions coded in a computer language. * Consult with and assist application teams or system analysts to define and resolve problems in testing the virtual services. |

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| **Client: – Mastercard**  **Company - Tech Mahindra ltd.**  **Project: MC - Service Virtualization & API Testing**  **Role: Senior Software Engineer**  **Duration: 50 Months**  **Tools: CA DevTest , CA Rally , CI/CD, Docker , TOAD.**  **Type of Testing: Creating and Managing Virtual Service , API Testing , WebServices Testing.**  **Modules Worked: Digital wallet , payment gateways , GDPR , CaaS.** | **Description:**  The project involved CA Lisa virtualization implementation and end to end testing of services for MasterCard. There is a huge dependency on backend systems which is making testing difficult and also limited dataset availability and system availability for externally exposed web service sandbox. Virtualized the API to generate dataset on demand for some cases and for some other cases Identified business critical scenarios and dependent components and virtualized them using CA LISA and deployed it in the VSE so that testing got easier and avoided the dependency on backend systems. Recorded live Service traffic and built a virtual representation of the API to support performance testing cycles.  **Responsibilities:**   * Designed and developed virtual models and service images using LISA with Request-Response pairs and from scratch (using **Core Java**). * Created automated test cases to run **functional test** **cases** and **performance test cases.** * Maintain Jenkins pipeline for deployment and testing of services. Used jenkins pipelines to generate more sophisticated reports of test results. * Maintain Docker images of service virtualization components. * Automation scripts to for health check and self healing of services. * Created services using **WSDL** and RR pairs. * Maintain the deployed virtual services and also update the models with the newer versions whenever it is needed. * Designed and developed web services test cases using **SOAPUI**. * Write, update, and maintain java code or software packages to handle specific jobs such as storing or retrieving data, or controlling other equipment. * Write, analyze, review, and rewrite programs, using java as per the updated requirement applying knowledge of computer capabilities, subject matter, and symbolic logic. * Perform or direct revision, repair, or expansion of existing scripts to increase operating efficiency or adapt to new requirements. * Consult with managerial and technical personnel to clarify program intent, identify problems, and suggest changes. * Compile and write documentation of program development and subsequent revisions, inserting comments in the coded instructions so others can understand the program. * Prepare detailed workflow charts and diagrams that describe input, output, and logical operation, and convert them into a series of instructions coded in a computer language. * Consult with and assist application teams or system analysts to define and resolve problems in testing the virtual services. |
| **Client: : Internal**  **Project: DevOps COE**  **Role: Software Engineer**  **Duration: 7 Months**  **Tools: itko CA Lisa , Eclipse , Linux Administration.**  **Type of Testing: Service Virtualization , Docker , CI/CD.**  **Modules Worked: POC , Ecommerce ,Banking** | **Description:**  The project involved CA Lisa virtualization implementation and End to End testing telecom application for Largest Telecom provider in Australia. We had provided a continuous testing platform avoiding the constraints of complexity of the system and eliminate the unavailability of the third party systems  **Responsibilities:**   * Implemented models & service images using CA Lisa for various clients involving protocols such as SOAP/XML/JSON & JDBC/Http(s)/MQ. * Worked on SV models to develop virtual assets. Automated Functional, Regression test scripts. * Identify, analyze, and document problems with program function, output, online screen, or content. * Monitor bug resolution efforts and track successes. * Create or maintain databases of known test defects. * Participate in virtual service design reviews to provide input on functional requirements, service designs, schedules, or potential problems. * Develop testing programs that address areas such as database impacts, software scenarios, regression testing, negative testing, error or bug retests, or usability. * Develop scripts to automate the deployment and testing of virtual services. |