

Somnath Bhattacharjee

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2 years of experience in Middleware Service Integration on Oracle Fusion, Data Driven UI Automation Framework(web/android), Development of End to End Webservice testing suites in projects ranging from business systems upgrade/remediation, business systems segregation, acquisition and digital marketing projects

SUMMARY

I am a dynamic and result-oriented person. Keen analysis & insight, team approach and multi-cultural orientation are my core strengths to drive delivery excellence and implement best practices in Quality Assurance and service integration projects. I have excellent interpersonal and communication skills and am capable of analysing complex supply chain landscapes. Primarily worked on technologies like **Oracle Service Bus, Informatica** and **EDI** with scripting knowledge in **Java** and **PL/SQL**.

PROFESSIONAL EXPERIENCE

Experience in Cognizant Technology Solutions - September 2013 – till date (2 years)

Designation – Programmer Analyst

Domain Expertise – Retail, E-Commerce, Supply Chain Management

Current Role – SDET

Technical Expertise - UI Test Automation (Web/Android), SOA, Webservices

Client – COPART Inc.

In Software Development Engineer in Test (Webservices) role – (June 2015 – Present)

I am currently working along with the Webservices QA team at offshore, as an automation framework developer to help develop an end to end automated webservice testing suite.

Primary Tasks: Development of end-to-end test automation suites and standalone tools.

- Performance Test Executor – Developed on java, for RESTful web service and Website performance testing with a web-based test data and result/report visualizing feature.
- JSON Parser – Bulk Data Editor – Developed as a standalone GUI based tool to generate JSON data for field level validation scenarios (Mandatory Field Scenario, Max/Min Length Scenario, Data-Type Validation Scenario).
- XPath Generator – Java tool which generate XPath/JSONPath for JSON data.
- End-to-End Functional Test Suite – Java based functional test suite for end-to-end test execution and intermittent data validation at business defined checkpoints for RESTful web service cluster.
- Data Validator – Developed as a standalone GUI based tool which validates two JSON/XML files (field level) based on relational mapping provided in an excel spreadsheet containing corresponding XPath of fields present in two files.
- Automated Daily Status Report (DSR) Sharing – It is a java based tool that consolidates test execution reports of various LOBs from a NO SQL Database for a 24 hour duration and sends a Daily Status Report mail and a notification text with a fixed format to the concerned stakeholders of a particular project using the mandrill api, saving valuable man-hour earlier invested in data consolidation and mailing.

Learnings till date

Technical – AS400 features (expertise level - intermediate), SOAP UI Pro, Multi-threading in Java, Theoretical knowledge of JAX-RS

Domain – E-Commerce, Digital Marketing, Conversion Rate

Client – NIKE Inc.

In Software Development Engineer in Test (Android) role – (January 2015 – May-2015)

I had been working in sync with the Cognizant RCG Business Development team for creating business penetration in the mobile automation segment within the NIKE Brands (Digital Marketing) wing. NIKE Brands is focussed on generating new customers and serve existing customer base by providing Mobile Application Services across various sporting genres viz., athletics, golf, soccer, etc.

Primary Tasks:

- Development of cloud based data driven android automation framework using Appium, Selenium Webdriver, TestNG, Apache CouchDB, Elasticsearch and Kibana for UI test execution.
- Applications Automated as POC – [Nike Training Club](#), [Nike Golf 360](#) and [Nike Soccer](#).

Learnings

Technical – Appium, JSON Wire Protocol, Android, Apache CouchDB, Elasticsearch and Kibana

Domain – E-Commerce, Digital Marketing, Conversion Rate

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In Delivery Assurance Engineer role (November 2013 – December 2014)

As an integral part of the AASE DA Team the assignments consisted of Automation Framework Development, Requirement Gathering, Analysing Supply Chain Landscapes and Automated Test Data Management. Operational in the development of client-centric automation tools and Cognizant Internal portals.

Details of the project tracks led by me from offshore:

- NIKE Acquisition Project – Analysis of designed SCM Landscapes driving automated STLC at offshore.
- Successfully handled multiple production releases of multiple projects on a semi-annual basis: Resource handling, work distribution and acting as a client POC have been the primary responsibilities during production releases.

Developed client-centric automation tools:

- AASE Mapper – XML and Delimited Data Validation Tool – Reduces Data validation time by 60% – 70%
- JMS Message Capture Tool – Captures data from configured JMS topics and reduces test execution time.
- OSB Smoke Test Automation Tool – This utility can post XML data to JMS topics and queues to perform smoke test of multiple Middleware links at a time.

Developed the following portal for Cognizant:

- Team Info Portal – Stores detailed data of all resources in the NIKE Account. The master table for this portal serves as a data repository, for mid-year performance reviews and pre-sales RFP activities.

Learnings

Technical – Oracle Service Bus, Informatica, Teradata, Cognos, Electronic Data Interchange, Distributed Order Management System

Domain – Merchandising, Store Operations, Supply Chain Management

OPEN SOURCE CONTRIBUTION

- Data Driven Android Application Automation (UI) Framework (<https://github.com/somnath-s-bhattacharya/MobileAutomation>)
The framework is integrated with Apache Couch DB for data and event logging along with Elasticsearch and Kibana for web-based reporting.
- Testing tools – Basic functionalities are available on GIT repository (<https://github.com/somnath-s-bhattacharya/Repo>).

MIDDLEWARE TECHNOLOGIES ACQUAINTED WITH

- Oracle Fusion, Informatica and EDI.

PROGRAMMING LANGUAGES KNOWN

- Java (J2EE) and C, Fair exposure in Javascript, Node.JS, Unix Shell Scripting, SQL and PL/SQL Scripting.

TESTING TOOLS USED

- Appium, Selendroid, NightwatchJS, Selenium Webdriver, SOAP UI, JMeter, Hermes JMS, AASE Mapper, JMS Message Capture Tool, JMS Bulk Data Generator.

PROFESSIONAL ACHIEVEMENTS

- Recognized as the “Pillar of The Month” employee by Nike Account, RC&G-QEA, Cognizant Technology Solutions for June, 2014
- Received multiple client level appreciation for meeting tight deadlines.

ORGANIZATION INTERNAL TRAININGS/CERTIFICATIONS

- Fundamental Training on Selenium Webdriver and RC.
- Fundamental Training on Core Java and J2EE.
- Fundamental Training on Synchronous and Asynchronous Webservice development (JAXWS and Axis 2.0).
- Cognizant Certified Professional in Software Testing.
- Cognizant Certified Professional in Retail – Store Operations and Multichannel Retailing.

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ACADEMICS

- Bachelors in Mechanical Engineering(B.Tech): Jalpaiguri Government Engineering College, WBUT
Year of Passing – 2013 DGPA: 8.31
- HS: WBCHSE Board, Science (with Mathematics) – Bidhan Chandra Institution – Durgapur
Year of Passing – 2013 Aggregate Percentage – 80.6 %
- CBSE: Hem Sheela Model School – Durgapur
Year of Passing: 2007 Aggregate Percentage – 89%

EXTRA-CURRICULAR ACTIVITIES

- Successfully coordinated a workshop on Automotive engineering (AutoNEX) organized by Emaanagineer India, during The Annual Techno-Management Festival of Jalpaiguri Government Engineering College, Sristi in 2010.
- Member of the Annual Magazine Committee of Jalpaiguri Government Engineering College since November, 2009 and unanimously elected as the Secretary of the same on 8th September, 2011.
- Successfully organized The Annual Techno-Management Festival, Sristi in the year 2011 as the Chief Coordinator.

PERSONAL DETAILS

DOB: 4th March, 1991