

Akshay Agarwal

Lucknow, Uttar Pradesh

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- Dedicated and energetic software engineer with 11 plus years of total work experience in software development and QA, at different lifecycle phases along with 3 years of work experience as a Business Developer.
- Experienced in design, documentation, implementation, execution, and reporting of test plans and test cases. Test case automation, design, and maintenance of automation frameworks and unit testing.
- Good experience in Software development with an emphasis on analysis, development, and validation of various Web-based e-Commerce applications.
- Working knowledge of Agile and waterfall development models.
- Extensive experience in testing web-based applications with a good understanding of SDLC and QA methodology.
- Proficient with Selenium RC, Selenium IDE, TestNG, and multithreaded programming/concurrency.
- Strong background in C++ & Java White-Box testing using Eclipse IDE.
- Experience in coming up with use cases, process flow, and sequence diagrams
- Expertise in Software GUI testing, Unit Testing, Integration Testing, Performance, Regression Testing, and Usability Testing.
- Developing and maintaining test scripts, analyzing bugs & interacting with a developer team.
- Extensive experience in Test environment setup, Deployment of builds, planning of test schedules, etc.
- Excellent communication skills. I am an enthusiastic and keen learner, who enjoys working on various assignments and projects.

Willing to relocate: Anywhere

Work Experience

QA Engineer, Content Writer, Proofreader, Digital Marketing Executive, WordPress Developer

Infobahn Softworld Inc

April 2012 to Present

Technology: Selenium RC, Selenium Grid, Selenium IDE, JUnit, C++, Java, Agile Methodology, Bugzilla, DbVisualizer, SVN, TortoiseHg Workbench, Serena, Rally, QA Complete, HP ALM, HP Loadrunner, QTP.

Summary: The membership department of Blue Cross and Blue Shield of Kansas (BCBSKS) includes Group, Eligibility, Finance and Reporting systems. I was working in Finance team but now working in Eligibility Team. The Group system is responsible for defining and maintaining the benefit product structure and the member groups. Eligibility is responsible for maintaining the enrollment while the Finance system generates invoices and processes the payments and related activities. Reporting, as the name indicates, creates periodic reports. With this project, all of these areas will be moving to C++ & JAVA / DB2 based system.

Finance, primarily depends on the Group and Eligibility areas for information about who is to be billed. Group information is available only through an interface and direct access to the database is not available. Eligibility information can be accessed from the database directly, but, any updates have to go through an interface. Apart from this, there is a need to communicate certain changes (group benefit changes, eligibility changes etc) between the systems.

The finance system does all the processing through COBOL programs and an ADF based online system. The goal of this project is to rewrite the entire system to run in C++ & JAVA environment and with a WEB interface. With the changes in the Benefit Repository System, the current business model and processes will also be impacted.

My core specializations lie in :

Technical SEO

On-Site/Page Audits

Performance Improvements (PageSpeed, GT Metrix, Pingdom)

Backlink / LinkProfile Analysis

Content/Image Optimizations

Local SEO Citation Audit

Site Migration Planning

SEO Silo Structure Planning

Outreach Link Building

Resource Page Link Building

Keyword Research & Discovery

Deep Keyword Analysis

Keyword Difficulty Estimation (Top 10)

Content Development Strategy

Website Keyword Audit

Competition Keyword Analysis

WordPress Theme + Plugin Development

Modifications and updates to existing WordPress sites

Custom theme development

Premium theme/plugin installation help

WEB DESIGN AND LAYOUT

HTML, HTML5

CSS, CSS3

UI/UX Web Layout Design.

SASS, SCSS

Twitter Bootstrap, Less Framework, etc.

WEB DEVELOPMENT AND PROGRAMMING

PHP
MySQL Database
Javascript
jQuery
jQuery UI

CONTENT MANAGEMENT SYSTEM

WordPress

THE OTHER SKILL I HAVE:

iMacros macro development.
Greasemonkey scripts development.
Google Chrome Extension.
Firefox Add-on WebExtension.
Guest Posting Opportunities
Shopify Store Management
Shopify Product Listing
Email Contact List Building
Mailing List Development
LinkedIn Email Mining
Amazon Product Listing
Amazon Product Ranking
Amazon Product Research
Internet Market Research
Usability Design

SERVICES WITH MY BEST QUALITY PROVIDE

PHP Bugs Fixing.
Custom PHP And Database Web Application Development.
PHP Malware code found and remove.
Website Redesign.
Javascript, jQuery Bugs Fixing.
PSD to HTML to WordPress Conversion.
HTML and CSS Modifications.
Page Loading Time Optimization.
WordPress theme customization, development, conversion.
WordPress e-Commerce website development.
WordPress Plugin Development and Customization.
WordPress theme, plugin, etc Bugs Hunts And Solve Them.
Responsive Web Design.
CSS conflict solving.
Custom PHP System
Javascript Plugin Development And Customize.
Javascript Auto Bot Scripts.

Biddings and acquiring projects on Upwork.

Doing listings of Products and Services on Indiamart, TradeIndia, Facebook Marketplace, and other platforms.

Responsibilities:

- Responsible for designing, documenting, implementing, executing, and reporting test plans and test cases by gathering and analyzing functional business requirements; after discussions with the Team.
- Review and report on the User Interface feature's testing results by following the best QA practices and test strategies. Will also be responsible for enhancing test plans to improve test coverage and have good management of needed requirements throughout the project life cycle activities.
- Plan and implement Testing Standards and Guidelines for Functional, Smoke, Integration, Regression, Build Verification and User Acceptance testing for the enhancement of application product quality, stability, reliability, accuracy and conformance to established standards and requirements within the system environment.
- Providing assistance to Business Analyst and Product Owners in order to create future tech related stories for the critical bugs needing immediate attention and also provide help in preparing and improving the UI related standard guidelines to a more detail and granular level.
- Responsible for generating and logging critical and major technical bugs, defects, issues and enhancements by monitoring the application in a bug tracking tool. Provide descriptive reproducible steps along with the screens of the results captured as well as test logs files for the particular defect, in order to be repaired by a developer.
- Conduct Boundary Analysis, Negative, Validation, Smoke, Sanity, Bug Bash and Regression testing until the bug and the critical application arenas are closed in the defect repository and also provide help to the Business unit System testers regarding Testopia.
- Responsible for Cross Domain testing by interacting with other interfaces and teams, having a good understanding of the overall business domain, and help in creating a master test plan for the project by working with the team.
- Responsible for writing and verifying JUnit test cases with maximum bug detect capacity using C++ & JAVA to test APIs in IBM RSA Web sphere v8.0 for the functional testing of the backend logic of the application by following the correct coding standards which also helps achieving required code coverage for C++ & JAVA Batch and User stories.
- Responsible for performing build acceptance testing, setting up Selenium RC server in the Test Environment, planning test schedules, running test scripts as part of the build, and maintaining the scripts by taking into account the changes of XPath locators, Web elements or functionality. This includes generating automated test reports for test runs for specific test cycles on a daily basis.
- Responsible for reviewing and analyzing the nightly build results and sending daily status report about failing test cases to the team after finding the root cause of the failing test cases by collaborating with the developer and providing help in fixing the JUnit test cases.
- Report on various issues by providing the real time screenshots related to IBM RSA Web sphere to the SWAT Team so that the concerned infrastructure support teams can work on those reported issues.
- Proactively follow proper work ethic; elevate the quality of professional discourse with the ability to deliver results and meet challenging deadlines by following the standard time management practices; be diligent in testing efforts and resolving any roadblocks in advance by efficiently prioritizing and multitasking.
- Work with the DBA and the COBOL team in defining database needs or issues that arise while interacting with the database schemas during testing of specific module's functionality and ensuring that those issues are taken care in the next version release.

- Responsible for preparing test data in multiple schemas using DB2 SQL queries and performing backend testing on two test servers for data verification and validation for various features as required facilitating end-to-end testing. Also performs data integrity testing by cleaning and correcting data that is either invalid or incorrect for testing purpose.
- Proactively offers suggestions in sprint planning and retrospective, and daily scrum stand-up meetings in order to improve the test process by having a detailed discussion on plans, issues, and changes and ensuring that all has been communicated to the entire team by ensuring team's participation and adherence the scrum team norms of agile development methodology for bi-weekly sprints.
- Responsible for coding, executing, updating, reusing and maintaining automated Selenium test scripts, regression suites and packages to be compliant with changing requirements and features by covering the GUI functionality for automation framework purposes as well as for Unit testing.

QA Engineer

Infobahn Softworld Inc - Minneapolis, MN

August 2011 to March 2012

Minneapolis), Minnesota State, USA

August 2011 - March 2012

QA Engineer

Technology: Fitnesse, JUnit, C++, Java, Agile Methodology, JIRA, DB Visualizer, FileZilla, Tortoise Hg Workbench.

Summary: I was working on EDD(Enhanced Due Diligence) which is using the Risk Fraud Architecture and which facilitates various types of searches like template-based in which the user provides information to find person/company/document entities and Specialized and Date-based searches. This application facilitates Know Your Customer (KYC) which is the due diligence and bank regulation that financial institutions and other regulated companies must perform to identify their clients and ascertain relevant information pertinent to doing financial business with them in order to prevent identity theft fraud, money laundering and terrorist financing.

Responsibilities:

- Preparation of test plan and Writing & Updating JUnit test cases in Eclipse-jee-indigo for the functional testing of the application and executing them ensuring timely releases that occurred every month.
- Writing the XML coding for the functional testing of the application using the Fitnesse tool based on REST API and Design docs.
- Involved in analysing the Functional requirements to create Test Scenarios.
- Resolving the errors and exceptions with the help of the various log files which are there on the servers using FileZilla tool.
- Regression testing verifies older bugs are fixed in the newer version before release.
- Logging bugs in JIRA bug tracking system and doing regression testing till the bug is closed.
- Tested various features such as Alert Service, Associate Report Service, Business Addresses Service, Company Family Tree Service, Company Report Service, Company Risk Flag Service, Company Search Service, Person Risk Flag Service, Person Search Service, Profile Build Service etc.
- Monitored application functionality and data consistency, investigated warnings and exceptions from the Log and opened defects accordingly.
- Analyzed test results, summarized, reported and correlated those results with expected behaviors.
- Backend testing using SQL queries in DB Visualizer for data Verification for various Action Handlers and other features as required.
- Execute automated test cases after each build deployment, analyse test reports and send status reports to the team.

- Maintain test scripts and fix bugs that appear in the test scripts.
- Debugging the errors and exceptions by looking the log created by Eclipse on the console to speed up the process of resolving defects.
- Performed White Box Testing in a C++ & Java/JUnit development environment.
- Worked on Agile development model. Completed the testing tasks on Sprint basis.
- Attending Standup meeting with the Team in New York. Discussing on the items worked last week, what we are going to work this week and any blockers/Concerns etc. in the meetings.

Education

Master of Science (M.S.) in Computer Science

Arkansas State University

2011

Bachelor of Technology in Computer Science and Engineering

Jaypee University of Information Technology - Solan, Himachal Pradesh

2009

Skills / IT Skills

- Programming Languages: C, C++, Core Java, .Net, x86 Assembly.
 IDEs: IBM Rational Software Architect Eclipse
 Tools/Packages: TestNG, Selenium Grid/ RC, JUnit.
 Bug Tracking Systems: Bugzilla, QA Complete, JIRA
 Testing: White and black box testing
 OS: Windows XP/Vista/7, LINUX (Redhat, Ubuntu, Fedora and openSUSE.), UNIX (Solaris).
 Programming Methodologies: OOAD, UML, Design Patterns
 Database: Oracle, MySQL, Data Mining algorithms
 Scripting Languages: UNIX Shell scripting, HTML, JavaScript, PHP
 Application Server: jetty-6.1.26
 Software Management: Project Management, Quality Management
 Software Testing Skills: Testing Methodologies and Test Plan, Software Testing Life Cycle
 Tools: Rapidminer 5.0, Serena, Rally, HP ALM, HP Loadrunner, QTP
 Miscellaneous: LAMP server, Agile methodology, Waterfall model