

RAHUL SAGAJKAR

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Professional Snapshot

Overall 18+ years of experience in Bioinformatics, Cheminformatics, Pharmaceutical and Life Science domains.

Key points to summarize

- Expertise in implementing **Scrum/Kanban**.
- Experienced in setting up of test environments in cloud and maintaining the VM's, vApps, cluster, Grid required for scrum teams.
- Diverse exposure to various domains: Retail, Banking, Pharmaceutical, bioinformatics, Product Integration, Scientific Simulation Software, Client/Server systems.
- Expert in 21 CFR Part 11, electronic records retention, configuration items lists, FDA guidance documents & ICH guidance documents.
- Efficient Test management and team management capabilities
- Instrumental in implementing test automation and test automation infrastructure.
- Knowledge of **TDD** and **BDD**.
- Installation testing expert on Linux (Redhat, suse) & windows
- Functional domain expert for life sciences informatics applications.

Certification

- Accelrys Certified Professional LEVEL II (Protein Modeling & Rational Drug Design)

Skill Set

Primary skills:

- Implementing scrum in team.
- Developing Test Strategy & Plans, Establishing Test Environment
- Manual & Automated Testing
- Expert in usage of JIRA, Zephyr, Mongo DB, Oracle sql, PL/SQL, Unix shell script basics, Jenkins and application testing.

Secondary skills:

- Team Leadership, Training & Coaching, Software Implementation & Integration.
- Experienced in using Silk test, Bug Zilla, Winrunner, QTP.

Functional

- Creating test plans, test cases and test scripts/procedures for carrying out smoke / integration / performance / compatibility / regression tests at various stages in the SDLC.
- Verifying change requests and defects; documenting, tracking and communicating test plans, test results and unresolved problems; explaining system bugs to programmers.
- Delivering and implementing the project as per scheduled deadlines; extending post-implementation and maintenance support to the client.

Managed Responsibility

- End to end test project management
- Requirement Analysis, Test Planning, Test Effort Estimation, Monitoring and closing Test Execution
- Cross team coordination and communication management with Internal/External stakeholders
- Sprint planning, retrospective, spring tracking as a Scrum Master
- Release/Post Release Evaluation meeting to do project post-mortem analysis
- Supporting cross/co-location development team on handling customer issues
- Supporting the Consulting team on POCs
- Working with PM on Product feature backlog prioritizing.
- Driving Competency and capability building effort for the team
- Being a member of Process Improvement Group defined and implemented Stop and Hammer Testing (Bug Bash) and Session Based Exploratory testing

- Involved in organization wide effort towards successful transition to Agile development and further sustaining it.
- Products tested for Accelrys ekb, eln, insight, compose, capture, ligandgen, catalyst, material studio, qsar workbench.

Organisational Experience

- **Chemryt Informatics Pvt. Ltd.** – Co-Founder Dec 2017 till date.
- **BIOVIA** as Sr Manager R & D March 2017 to Dec – 2017.
- **Indecomm Global Services Inc (Client Accelrys)** as Architect from June 2010 to March 2017.
- **Reasoning** Global eApplication as Lead from Dec – 2008 to June 2010.
- **Accenture** as SSE from Oct 2007 to Oct 2008.
- **Proteans Software Solution Private Limited** as **QA Lead** from Feb 2007 to Sep 2007.
- **Accelrys Software Solution Private Limited (R & D) Sr. QA Engineer** from Sep 2003 to Jan 2007.

Project Experience

Pipeline Pilot 9.0 & 9.1, 9.2, 9.5 – PPP (June 2010 till Dec 2017)

Pipeline Pilot enables scientists to rapidly create, test and publish scientific services that automate the process of accessing, analyzing and reporting scientific data, either for the scientist's personal use or for sharing across the scientific community. Using Pipeline Pilot, scientists with little or no software development experience can create scientific protocols that can be executed through a variety of interfaces.

- Managing and assigning task to team members.
- Installation testing on linux and windows.
- Test Environment – Set up for windows and linux
- Test Data- Developing test data for QC Team
- Bug tracking & test tracking sheets
- Executing automated regression tests for new build.
- Silk Test execution planning.

BIOVIA (Symyx) Notebook 6.5 – ELN (June 2011 to Dec 2012)

Symyx Notebook a multi-disciplinary ELN, enables labs to benefit from going paperless by connecting scientists, instruments and software in regulated and non-regulated environments. The ELN improves collaboration, process consistency and productivity through better knowledge sharing.

- Test Environment – Set up
- Test Data- Developing test data for QC Team
- Bug frequency report

MartJack – eReasoning Software (Dec – 2008 to June 2010)

MartJack e Franchise is an innovative multi channel marketing solution for organized retail chains to enable their effective online presence.

- Test Environment – Set up for control panel & Store front

- Test Data- Developing test data for QC Team
- Filling the bug tracking & test tracking sheets
- Functional testing for Martjack control panel & store front
- IE automation using perl script.

CLP – Data Migration – Accenture (Oct 2007 to Oct 2008)

The objective of the project is to rationalize the groups arrears systems that support the unsecured consumer-lending book thus helping to reduce costs and manage the arrears processing on a best of breed solution. This work stream within the Consumer Lending Program is responsible for migration of data from various systems using ETL - tool.

Test case design, Test Environment set up, Test Data Preparation, Test execution, Preparation of bug tracking & test execution reports

Tools Used:

1. Test Director - for test management
2. ETL Tool - Ab Initio

ChemFinder 11.0 (Feb 2007 to Sep 2007)

Client - Cambridge Soft

Platform: VC++, Python

Testing Tools: Perl, Python

Details: Project involved design and development of ChemFinder 11.0 providing Chemical Database Searching, reaction search & property predication to Computational Specialists and Drug Discovery Scientists.

Role: QA Lead; responsible for

- Development of Test Plan & Test Environment
- Filling the bug tracking & test tracking sheets
- Performing smoke test on new build
- Conducting Automated Regression Test for ChemFinder using Python

Discovery Studio (1.5,1.6,1.7, 2017, 2018)

Platform: VC++, QT 4.0 (GUI Tool Kit) & Perl

Testing Tools: Perl, Spider

Team Size: 12

Details: Project involved design and development of DS providing simulations environment to Computational Specialists and Drug Discovery Scientists.

Role: Sr. QC Engineer; responsible for

- Development of Test Plan & Test Environment; Traceability Metrics & Testing Metrics
- Imparting training to team members
- Filling the bug tracking & test tracking sheets
- Performing smoke test on new build
- Conducting Automated Regression Test for server using PERL

Cerius2 4.10 (Sep 2003 to Jan 2007)

Team Size: 8

Details: The project involved development of drug design tool, Cerius 2 for providing an integral environment, used for Analog based Drug Design (QSAR) & structure based drug design (Ligand Fit, Ludi).

Role: QC Engineer; responsible for

- Developing test plan & test data
- Preparing and executing Test Case
- Filling the bug tracking & test tracking sheets
- Conducting automated regression test for server using PERL

InsightII 2000.3L/ InsightII 2005 (Sep 2003 to Jan 2007)

Testing Tools: Manual Testing, Perl & Spider

Team Size: 5

Details: Insight II, a 3D graphical environment for molecular modeling; used as powerful interface which facilitate seamless flow of data between a wide range of scientific applications.

Role: QC Engineer; responsible for

- Preparing and executing Test Case
- Generating Test Reports
- Reporting Bugs through spider
- Installation and Licensing Testing

Catalyst (4.10, 4.11) (Sep 2003 to Jan 2007)

Testing Tools: Perl & Spider

Team Size: 5

Details: Is an integrated environment for database management and querying tasks that are extremely valuable in drug discovery.

Role: QC Engineer; responsible for

- Generating Test Reports
- Reporting Bugs through spider
- Installation and Licensing Testing

Other projects Tested

TOPKAT6.2	:	Toxicity
MEX 2.2	:	Drug Designing
MS Modeling 3.2	:	Material Science
CombiMat2.5	:	Material Informatics
Ligandgen 1.0	:	Drug Designing

Academic Credentials

- ➔ Master of Science chemistry from S.R.T. University, Nanded MH in 1999.
- ➔ Bachelor of Science chemistry from Dr. B.A.M. U, Aurangabad in 1997.

Articles Published in Conferences

4th Annual International Software Testing Conference in India 2004

Title: Challenges in the Scientific Software Testing

NMRS- 2004:

Title: Pharmacophore Mapping of MMP-1 Inhibitors

IBS 2005 National symposium:

Title: Theoretical Model of Triosephosphate Isomerase - Salmonella Typhimurium-1LNV

6th European Conference on Computational Chemistry [EUCC-6] Sept 2006, Slovakia

Title: Docking Study Using PARALLEL COMPUTING - 2C69.pdb

