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SUMMARY: 8 years of work experience in software, spanning complete development life cycle, in different roles with renowned clients. Adaptability to quickly ramp up with diverse set of technologies. Good communication, leadership, problem solving and client interfacing skills, passion to research, learn; commitment to perform and excel. Recently involved with Test Automation using Python-Selenium and pyspark on databricks and AWS glue.

TECHNICAL SKILLS

Languages	Python3, C, C++, Java, Power Basic, Assembly, Perl, Tcl/Tk
Libraries	Pyspark, Selenium, unittest, pytest, behave, Django, Flask, request, aws glue, chispa
Database	Sybase, Oracle, MSSQL 7, Postgres
OS	Unix, WINDOWS NT
Tools	Git, GitHub, JIRA, AWS(S3, RDS, glue), Jenkins, Pycharm, Rational Rose 2000, Visio, CVS, VSS, MATLAB, JBuilder, Erwin 4.0, Power Builder, Databricks
Trainings	Certified Training in Python-Selenium Test Automation, Cypress, Playwright, AWS, C/C++, Java, Sybase, OOAD/UML, Networking, Power Builder, XML.

PROJECTS OVERVIEW

- Analysing various workflows and deciding upon the test strategy and test cases for them.
- Designing and documenting test cases in test sheets.
- Designing and coding POC and validation test scripts using performance centric **pyspark**, **hashlib** on **databricks** and on **aws glue** for validating data migrations.
- Analysing test results, publishing test-reports to the team, raising bug/development tickets in **JIRA**.
- Documenting major tickets on Confluence.
- Developing **pytest** test framework for unit testing and api-testing using performance optimized pyspark and **chispa** libraries, Coded hook wrapper to display images in html report.
- Presenting QA team effort at **sprint-review meets**.
- Defining **Definition of Ready** for QA.
- Suggested solution for transitive matches using **Graph API**.
- Designed **BDD** hybrid test automation framework for the regression suite, customizing **behave**, capturing failure snapshots in allure reports.
- Writing test cases, performing functional testing, automation scripts.
- Evaluating on LambdaTest/Browser Stack **cloud** for running automation test scripts **across devices and browsers**
- Developed **Selenium** test suite using POM and Data Driven Test methodology with pytest and unittest
- Experience with **CVS** and **GIT** for version control and sharing through **Github**.
- Developed web interface for employee information using **Django** framework.
- Provided a user interface to schedule jobs using **Flask** framework of Python.
- Designed, developed and tested education portal for Cisco WVE to reach a wider community of instructors and students more efficiently using **J2EE**.
- Scheduled **shell/Perl** scripts to parse mainframe data and update databases using **stored procedures**, using **Swing** UI
- Image processing using **MATLAB** and **C** for Distortion invariant **pattern recognition**.
- Have guided a Phd thesis on **image processing** using **MATLAB**.

PROJECTS PROFILE

Title	Data Engineering: QA validations for Data Pipelines		
Client	Altrata Wealth Engine		
Language/Tools	Pyspark, aws(s3, glue, athena, rds, ES), databricks, Githubactions, Pytest, Allure reporting, JIRA		
Logistics	Team Size: 47	Duration: 9 months	SDLC: validations, analysis, unit testing
Technical and	Wealth Engine group at Altrata, needs to migrate Big-data (o(300 M)) from their Legacy systems to Databricks		

Business Drivers	and AWS platforms. The whole task is categorized under different functional modules, each loaded in a pipeline.
Role and Responsibilities	<ol style="list-style-type: none"> Analysing various workflows and deciding upon the test strategy and test cases for them. Designing and documenting test cases in test sheets. Designing and coding POC and validation test scripts using performance centric pyspark, hashlib on databricks and on aws glue for validating data migrations. Analysing test results, publishing test-reports to the team, raising bug/development tickets in JIRA. Documenting major tickets on Confluence. Developing pytest test framework for unit testing and api-testing using performance optimized pyspark and chispa libraries, Coded hook wrapper to display images in html report. Presenting QA team effort at sprint-review meets. Defining Definition of Ready for QA. Suggested solution for transitive matches using Graph API. Building Data Validation framework using AWS glue.

Title	Selenium test suite for web portal		
Client	Sentient.io, Singapore		
Language/Tools	Selenium, Python, BDD(behave), Pytest, Postman, POM, Git, Github, Allure, LambdaTest, BrowserStack, Jenkins, BeautifulSoup		
Logistics	Team Size: 2+4	Duration: 4 months	SDLC: Building Automation testing framework
Technical and Business Drivers	These regression tests will ensure the consistency of software for the site on a fortnightly basis.		
Role and Responsibilities	<ol style="list-style-type: none"> Designed hybrid BDD framework(from scratch) for regression test suite. Preparing/validating the test case sheet, performing functional testing. Designing the test scenarios. Coding automation test scripts. Automating test cases using BDD and DDT across devices and browsers using LambdaTest/BrowserStack cloud. Consuming and testing APIs for test data updates in database through Postman and request API. Used request library and BeautifulSoup for Dead link detection, localization testing using NLP. Committing code to Git and Pushing to Github and deploying at Jenkins. POC, Client interfacing – capturing requirements, reporting status, weekly meets/demos – almost single-handed ownership. 		

Title	Selenium test suite for Avactis online shopping (http://www.Avactis.com)		
Client	Avactis		
Language/Tools	Selenium, Python (unittest, pytest), Git, Github		
Logistics	Team Size: Fifteen	Duration: 3 months	SDLC: Automation testing
Technical and Business Drivers	These regression tests ensured the consistency of software for the site on a daily basis.		
Role and Responsibilities	Developed Data Driven test suite using Page Object Model design pattern with pytest Framework.		

Client	Niche Thyself		
Language/Tools	Python(Django), flask, Selenium, Git, Github, SQL, Jenkins, Xampp		
Logistics	Team Size: 1	Duration: 8 months	SDLC: Development
Role and Responsibilities	<p>Got trained in Selenium-Python at Niche Thyself.</p> <p>Developed Web page to display/update/delete the employee information using Django framework.</p> <p>Developed Library management portal – POC, using Django framework.</p> <p>Developed a user interface to schedule/update/delete a job using Flask framework of Python.</p>		

Title	Quality Assurance: Regression test suite for FARSIGHT (http://www.farsight.com)		
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Client	FarSight Financial Services LP, Boston		
Language/Tools	Tcl, Perl, SQL(Sybase), Unix, Selenium		
Logistics	Team Size: Five	Duration: Ten months	SDLC: Unit, regression, group(load) testing
Technical and Business Drivers	These regression tests ensured the consistency of software for the site on a daily basis.		
Role and Responsibilities	Unit & regression testing: Design of test cases, coding of test scripts(White box testing) and test reports. CMM endeavor, conducted audits. Facilitated group testing and compiled test reports and communicated to the client, on behalf of the team.		

Title	Performance Analysis of (http://www.farsight.com) using web simulator		
Client	FarSight Financial Services LP, Boston		
Language/Tools	Tcl, C++, SQL(Sybase), DB-Artisan		
Logistics	Team Size: Three	Duration: Eight months	SDLC: enhancement, automated and manual load testing.
Technical and Business Drivers	This web simulator was used to analyze and fine-tune the performance of the website, under various conditions of stress. This improved the performance by addressing various issues such as indexes, record and page level locking, partitioning etc. on the database level		
Role and Responsibilities	Simulation of virtual users using the web simulator, with different profiles and transactions initiation. Arranging and conducting manual load tests; generating and communicating test reports to the client, on behalf of the team.		

Title	Middleware tier design and development		
Client	Goldman Sachs & Co, New York.		
Language/Tools	SQL(Sybase), C, Perl, Python		
Logistics	Team Size: Four	Duration: Six months	SDLC: enhancement and maintenance (Unit, integration testing)
Technical and Business Drivers	Middleware tier enabled communication between Gloss systems with any other external system. GLOSS-Global Settlement System product customized by various Investment banks around the globe		
Roles and Responsibilities	Project Leader: Project takeover from Infosys(Bangalore), capturing business requirements. Review & monitoring of task amongst resources onsite and offsite. Planning, organizing and conducting project related training sessions. Project status planning, tracking and reporting. Performance Appraising. C and SQL coding. Unit and Integration testing. Trouble shooting, Problem analysis & resolution in Production/Quality implementation. Functionality enhancement on client's business need and user's demand basis		

Title	GS.COM (Asset Management) L2 Production Support for GLOSS		
Client	Goldman Sachs & Co, New York		
Language/Tools	SQL(Sybase), Perl, Python,Shell Scripting, Autosys, Java(Swing), CVS.		
Logistics	Team Size: Twenty Five	Duration: Twelve months	SDLC: enhancements and L2 Production Support.
Technical and Business Drivers	A dot com endeavor for the Asset Management group of the EQUITIES division of Goldman Sachs & Co.(ETL) from Mainframe to Unix.		
Roles and Responsibilities	Developed scripts to reconcile the portfolios on the mainframe System. Business logic coding in Stateless Session Beans. User interface using Swing components. Events scheduling as Autosys jobs, at end of day. Monitor & enhancements. Debugging, analyzing and fixing the breaks in different environments (Dev, UAT, Prod.), in different rollout regions subsequent to first level support of Infosys team.		

Title	Design and development of CISCO educational portal		
Client	Cisco WVE (World Wide Education)- Phoenix, USA.		

Language/Tools	Java, JSP, XML,(SOAP),SQL(Oracle), Rational Rose 2000, Visio, JBuilder, Erwin 4.0, Apache, Tomcat, VSS		
Logistics	Team Size: Fifty	Duration: Six months	SDLC: Technical Design, development, testing
Technical and Business Drivers	Development of an education portal to enable Cisco to reach a wider community of instructors and students more efficiently		
Roles and Responsibilities	Understanding business requirements for different Use Cases, Technical Design, Sequence & Class Diagrams, Data Modeling, Business & Data Objects, Coded Event handlers, Modelers to validate, authorize data in JSPs. SQL queries, XML metadata, Java code stubs in Rational Rose, JBuilder. Test cases & test scripts. Quality processes		

Title	Redesign of Mortgage Backed Securities (MBS) Allocation System.		
Client	Morgan Stanley, New York		
Language/Tools	C++, SQL(Sybase), Erwin 3.5.2, CMVC, Visio		
Logistics	Team Size: Seven	Duration: 16 months	SDLC: Design, development, maintenance
Technical and Business Drivers	Morgan Stanley trade in MBS had two mainframe applications. For effective & efficient trade and allocation activity, X-Motif front end was best driver for the applications interfaces and functionality.		
Roles and Responsibilities	Enhancing existing functionality and developing new features. Reverse engineering data model from database schema using Erwin. Involved in designing and coding the classes for new features & portfolios		

Title	Development of Distortion Invariant Optical Pattern Recognition		
Client	DRDO (Dehradun)		
Language/Tools	C, MATLAB, Unix, Windows		
Logistics	Team Size: One	Duration: Six months	SDLC: Analysis & Design, development & coding, testing.
Technical & Business Drivers	Image Processing techniques would circumvent the problems in the faithful recognition of a pattern due to distortions such as shift, rotation and variation in contrast		
Roles and Responsibilities	Research, design, coding, testing and publishing.		

PROFESSIONAL EXPERIENCE

Employer	Location	Duration	Designation
EPAM Systems India	Hyderabad	April 2023- till date	Sr. Test Automation Engineer
VTest Software Pvt. Ltd. (Contractual)	Pune	January 2023- March 2023	Consultant-Test Automation
MR Degree College	Vizianagaram	July 2019 – March 2023	Asst. Professor(Physics)
HeadStrong India Ltd.	Bangalore.	April 2003 - March 2005	Sr. Consultant.
Sapient Corporation Pvt. Ltd.	Gurgaon, U.P	October 2001 - July 2002	Associate Technology
Wilco International Systems Pvt. Ltd (ADP)	Hyderabad/U.S.A	July 1999 - October 2001	Project Leader
D.E Shaw India Software Pvt. Ltd.(Resources Taken over by Wilco)	Hyderabad.	Jan 1998 - June 1999	Member Technical

PROFESSIONAL ACHIEVEMENTS

- 1) Client appreciation for technical demo on **Allure reporting, task ownership** and **dedication to delivery**.
- 2) Manager and Client appreciation for quick **basic framework set up** and **client interfacing, eye for details** for ongoing project.
- 3) Certificate of attendance for online conference on AWS.
- 4) As part of QA team got client applause for excellent **test case coverage, trouble shooting, interpersonal communication and client reporting**.
- 5) Was selected for client -side deputation at Goldman Sachs, New York. Based on my performance was extended H1 visa, salary hike, part in Company's shares, promotion to project leader role.
- 6) Morgan Stanley client acknowledged my domain knowledge, **problem solving skills and creative ideas for enhancement** and extended L1 visa visit to their site at Chicago.

7) At Sapien, my **quick ramp up and to the mark delivery** was appreciated locally.

EDUCATIONAL DETAILS

S.No.	Degree	Major	Duration	University	Remarks
1.	M.Tech	Applied Optics	Jun 96 - Dec 97	I.I.T, Delhi.	9.65/10, Rank: 1 st
2.	M.Sc. (Physics)	Electronics	1994 –1996	Hindu College, Delhi University, Delhi	77%, Rank: 1 st
3.	B.Sc. (H)	Physics	1991 – 1994	Hindu College, Delhi University, Delhi	Score: 84.44% Rank: University 13 th , College 3 rd
4.	AISSCE(12th)	Physics, Chemistry, Mathematics	1991	Presentation Convent, Delhi (C.B.S.E)	92.33% (PCM) Rank: top 0.1% (CBSE) School Topper
5.	AISSE (10th)	Science, Mathematics	1989	Presentation Convent, Delhi (C.B.S.E)	Score: 88% Rank: School Topper

SCHOLASTIC ACHIVEMENTS.

- Guided a Phd. Thesis in using Image processing algorithms for Embedded System design, using MATLAB.
- Merit Certificate in "National Mathematics Olympiad Contest,'88"
- Amongst top 0.01% students under National Scholarship Scheme (C.B.S.E).
- Qualified joint CSIR-UGC NET Jun'97 in Physics.
- Appointment as Scientific officer (grade C) at CAT, Indore – center for Applied optics(Holography).
- First prize at Inter-university Science Paper Reading Contest, held at Delhi University