

SANKET DESAI

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SUMMARY

- An Engineer with over 5 years of experience in manual, QA, Automation, and API testing in multi-cloud platforms like AWS and Azure. Willing to re-locate.
- Extensive knowledge and experience in Agile and Waterfall methodologies.
- Excellent understanding of Software Development Life Cycle (SDLC), Software Test Life Cycle (STLC), and Test Methodologies from project definition to post-deployment documentation.
- Good knowledge and experience in bug tracking tools like JIRA, Bugzilla, and Rally and developing QA documentation such as test plans, test cases, and test scenarios based on the business and system requirements.
- Experience building automation frameworks on AWS, Azure, and Kubernetes containerized cloud platforms along with CI/CD integration.

EDUCATION

Master of Science in Computer Engineering, Jan 2018

GPA: 3.63

California State University Fullerton, College of Engineering & Computer Science

Subjects: - Software Testing, Data Mining and Pattern Recognition, Software Architecture

Bachelor's in Computer Engineering, May 2012

K J Somaiya (Mumbai University), Mumbai, India

TECHNICAL SKILLS

- **Programming Languages & Web Technologies:** Java, Python, HTML5, CSS 3, JavaScript, MATLAB, VHDL.
- **Testing Tools:** Selenium IDE, Selenium WebDriver, Junit, Firebug, FirePath, Eclipse
- **IDE & Configuration Management:** Eclipse IDE, Notepad++, GitHub, Jira Confluence.
- **Cloud Technologies:** AWS Lambda, S3, DynamoDB, EC2, API Gateway, RDS, Boto3, VPC, CloudFormation, StepFunction, CodePipeline, CodeDeploy, Blob Storage, Azure VM, Logic Apps, Docker, EKS, Kubernetes.
- **Database & Network:** MySQL, PostgreSQL, SQL, Tableau, Google Analytics, MicroStrategy, IP TCP/UDP, DNS, Routing, Wireshark.
- **Operating Systems:** Windows, MAC, Linux (RedHat 6x, 7x, 8x, Suse), iOS, Android, QuickBase, ArcGIS.
- **Knowledge and Experience:** Rally, Jenkins, Jira, Confluence, Automation framework, REST API, OAuth, Arduino, CI\CD.
- Familiarity with Hadoop, AWS Solutions Architect Associate, and Microsoft AI fundamentals certified.

WORK EXPERIENCE

Senior Software Engineer in Test | MicroStrategy, United States

Jan 2020 – Present

- Lead Test Engineer for the MicroStrategy Cloud Offerings. Develop test plans, automation, and test cases for the upcoming features related to the cloud.
- Developed python based test framework to validate the end-to-end deployment of the MicroStrategy platform for AWS, Azure, and Kubernetes containers.
- Created and maintained testing Infrastructure as code using AWS CloudFormation.
- Integrated StepFunction workflow with CI/CD pipeline to run automated tests that alerted on failure via SNS.
- Implemented frontend UI tests using Selenium and for backend end API tests using Postman, python, bash scripts, YAML, and cloud services.
- Owned the sanity, manual, functional, regression, integration, and performance testing for HyperNow SaaS microservices.
- Led a team of three to complete testing for the MicroStrategy Capacity Testing Tool, providing performance testing involving cross-team collaboration with executives and architects for the MicroStrategy World 2020 conference.
- Reduced cloud cost by \$30k per month by optimizing resource usage across various divisions in the organization.
- Directly consulted with the customers to assist them with enterprise deployment and upgrades.

Quality Analyst | MicroStrategy, United States

Jan 2019 – Jan 2020

- Report product/customer Defects and User Stories and work with the Product Managers and Product Owners on prioritizing issues in the product roadmap and test products with customer focus.
- Automated installation of enterprise analytics software for testing thus reducing the time by 60% for testers across the organization's per-build release to test enterprise software applications on on-prem and Web platforms.
- Act as a catalyst for change and improvement in performance and quality and create MicroStrategy dashboards, reports, and applications based on design documents and business requirements.
- Performed testing (Smoke Testing, Sanity Testing, Regression Testing, and End-to-end testing) of 50+ product features including on web, desktop, mobile, and platform certification in an agile methodology and responsible for validation testing for enterprise analytics software release candidates to customers.

Solutions Support Engineer II | Sprint Corporation, United States**May 2018 – Dec 2018**

- Developed and designed website UI using programming languages such as HTML, CSS & and JavaScript supported on SharePoint to help Solutions Engineers for one-stop shop for all the solutions.
- Gathering reviews from stakeholders in project meetings and implementing the necessary.
- Conduct testing on tablets and mobile devices.

Quality Assurance Intern | Charter Communications, United States**May 2017 – August 2017**

- Responsible for creating test points that are used for deployment of vendor equipment by the R&D team and utilizing testing equipment such as CMW 500 equipment.
- Wrote **SQL** queries to verify database tables for the data inserted from the user interface.
- Use of ArcGIS & Kiema for Site Planning and Analysis of all locations based on testing sites and generating reports using SQL queries.
- Identifying KPIs for test data of all products given by different vendors and visualizing data using Tableau creating dashboards for the research team to help them in selecting vendors.

Software Test Engineer | Process Equipment Co Ltd, India**August 2013 – March 2015**

- Translated stakeholder's business requirements into reporting deliverables and created UML diagrams such as use case, activity, and sequence diagrams using MS Visio in agile products based on client requirements.
- Developed automation scripts using Java and **Selenium Web Driver** for Web Applications also performed functionality, usability, and performance testing.
- Actively participated in QA team meetings and walkthroughs for weekly QA testing review meetings. Performed **cross-platform** compatibility testing in mobile Android and iOS.
- Perform end-to-end testing to check the application flow of the portal and participate in defect meetings to help arbitrate decisions regarding fixing defects.

Data Quality Analyst Intern | Process Equipment Co Ltd, India**July 2012 – July 2013**

- Designed project test plans, test cases, and test data to cover the business requirements working on an agile software development lifecycle and part of the team responsible for developing frameworks.
- Ensured 100% JIRA delivery by creating user stories & and performed UAT to test new features, changes, and bug fixes from a user's perspective in a staging environment before deployment.
- Worked on RDBMS concepts and designed SQL queries using joins and filters on different databases for data integrity and to update client requirements on CRM.
- Performed **GUI, Functional, Usability, Boundary, and Regression** tests to test the stability and usability of software applications under test.

ACHIEVEMENTS

- Awarded Employee of the Month and Quarter for 2023 at MicroStrategy.
- Part of a team that presented changes in the Spectrum TV app for better outreach to **senior management**.
- Won the Best Paper Award in National Level Technical Paper Presentation for my paper Software Management System.
- An active user of Quora on a technical domain with more than **10,000 views** monthly.

ACADEMIC PROJECTS**Twitter Sentimental Analysis (Java) Fall 2017**

- Using classifier techniques to develop a sentimental analyzer for positive, negative, or neutral sentimental based on tweets using Twitter API for analysis based on a given word.

Blood Donor (Java, MS Access), Spring 2017

- Created an application for blood donation using applets based on blood groups for patients.
- Application test ran at the local blood bank for 2 months and permanently implemented.

CERTIFICATIONS

- AWS Cloud Solution Architect Associate, Microsoft AI Fundamentals
- Certified in Google Analytics, Tableau, MicroStrategy