

# ASITH WICKRAMAGE

Senior QA Engineer | Agile & Scrum Expert

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## SUMMARY

With over 5 years of experience as a Senior QA Engineer, my strengths lie in Agile and Scrum methodologies, with a proven track record in optimizing test processes and effective defect documentation leading to high-quality software solutions.

## EXPERIENCE

**Senior QA Engineer** 06/2020 - Present

**TechSolutions Inc** Denver, Colorado

- Led a team of QA specialists in a high-velocity Agile environment, achieving a 25% reduction in regression testing time through optimized test plans.
- Authored comprehensive test cases and executed 1500+ tests for mobile and web applications, achieving 98% coverage and under 0.1% escape defects.
- Improved defect identification by 30% by implementing a systematic approach to document software defects using Jira.
- Streamlined communication between developers and QA by initiating weekly sync-ups, resulting in a 20% faster resolution of critical bugs.
- Contributed to product design reviews, influencing feature priorities and timeline adjustments, ensuring a user-centric approach to product enhancements.
- Created detailed business requirement documents, leading to more targeted user stories and efficient sprint planning.

**QA Analyst** 03/2018 - 05/2020

**Innovatech Solutions** Boulder, Colorado

- Executed 200+ automated and manual test scenarios bi-weekly, resulting in a steady release cadence with less than 2% rollback incidents.
- Spearheaded the adoption of SQL Clients for database testing, leading to a 40% improvement in data validation accuracy.
- Oversaw UML diagram creation for new features, improving cross-functional team understanding of complex functionalities by 35%.
- Played a pivotal role in a significant update of a consumer-facing app, which led to a user satisfaction increase of 20%.
- Managed a rigorous negative testing program, identifying 500+ potential fail points and proactively safeguarding user experience.

**Quality Assurance Specialist** 01/2015 - 02/2018

**BrightTech** Colorado Springs, Colorado

- Designed test plans and scripts for 4 new software product lines, improving test coverage and efficiency by 15%.
- Drove an initiative for more rigorous usability testing, enhancing product intuitiveness and reducing support tickets by 25%.
- Implemented a new bug tracking system with Confluence integration, improving defect traceability and collaboration.
- Successfully identified and documented over 300 bugs within the first year, consistently meeting milestone deadlines.

## EDUCATION

**Master of Science in Software Engineering** 01/2012 - 01/2014

**University of Colorado Boulder** Boulder, Colorado

**Bachelor of Science in Computer Science** 01/2007 - 01/2011

**Colorado State University** Fort Collins, Colorado

## PROJECTS

### Open Source Accessibility Tester

Contributed to the development of a tool for testing web accessibility, ensuring compliance with WCAG 2.1. The project is available at [github.com/accessibility-tool](#)

### Mobile App Performance Monitor

Participated in creating an open-source tool to monitor and optimize mobile app performance, focusing on user experience. See the project at [github.com/mobile-performance](#)

## KEY ACHIEVEMENTS

### Streamlined QA Processes

Leadership in QA methodology overhaul resulted in a 30% efficiency gain in test execution cycles.

### Reduced Production Bugs by 40%

My rigorous testing approach and meticulous defect documentation led to a 40% reduction in production bugs.

### Implemented Database Testing Standards

Introduced comprehensive SQL-based database testing standards that improved data verification processes.

### Increased Test Coverage

Initiated an update to the existing testing suite that expanded coverage by 20% within a single quarter.