ANUP DHARANGUTTI

SENIOR SPECIALIST - QUALITY ENGINEERING

PROFESSIONAL SUMMARY

An achievement-oriented professional with over 14 years of experience, including 11 years in Quality Assurance and Test Automation and 3 years in System Administration. Proven expertise in designing and implementing scalable test frameworks, optimizing testing processes, and managing systems with a focus on reliability and efficiency across Logistics, Healthcare, and Industrial Automation domains.

KEY SKILLS

Test Framework Development: Expertise in designing and implementing robust and maintainable automation frameworks.

Test Management: Proficient in overseeing end-to-end testing processes, ensuring quality and timely delivery.

Test Strategy & Planning: Skilled in creating effective test strategies and plans aligned with project requirements and goals.

Continuous Integration: Experienced in integrating test automation with CI/CD pipelines using tools like Jenkins and TeamCity to streamline testing workflows.

EXPERIENCE

LTIMindtree, Bangalore | Senior Specialist – Quality Engineering

July 2025 – Present

- **Engineered and deployed** desktop automation solutions for enterprise-grade applications, significantly boosting test coverage and execution efficiency.
- **Architected a scalable automation framework** using WinAppDriver and C# .NET, enabling modular expansion, long-term maintainability, and seamless integration across diverse technology stacks.
- **Automated mission-critical test cases** with advanced techniques:
- Embedded **edge-case validation** and comfort-layer exception handling for resilience.
- Integrated **TCP socket communication** to orchestrate multi-node test execution.
- Implemented a **self-healing mechanism** for dynamic locator selection, reducing maintenance overhead and improving test reliability.

CONTACT

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LinkedIn Profile

Bangalore, **India**

SKILLS

- Test Management
- Sprint Planning
- Appium
- Selenium WebDriver
- WinAppDriver
- Coded UI
- TeamCity
- Jenkins
- C#
- Java
- Python
- Performance Testing
- API Testing
- White Box Testing

EDUCATION

MS (MEDICAL SOFTWARE)

2010-2012

MANIPAL UNIVERSITY

BE (INFORMATION TECHNOLOGY)

2003-2007

SHIVAJI UNIVERSITY

RXO, Mumbai | Lead Engineer Technology Quality Assurance

Nov 2021 – May 2025

- Analysed product requirements to identify test automation opportunities, improving coverage and efficiency.
- Estimated and implemented plans for automated UI tests across multiple modules and applications.
- Designed and developed robust automated UI test solutions, enhancing scalability, maintainability, and accuracy.
- Set up test environments and executed automated scripts using **C#.Net**, **Appium**, and **NUnit**.
- Developed mobile automation frameworks for Android end-to-end workflows, reducing manual testing efforts by 30%.
- Created a custom mobile Driver class with required capabilities to facilitate efficient mobile testing using Appium.
- Integrated automation scripts with CI/CD pipelines to enable seamless nightly test execution.
- Utilized GitHub and Azure for effective version control and collaborative development.

HCL Technologies, Pune | Technical Lead

Apr 2018 – Nov 2021

- Designed and developed automated solutions for sanity testing, streamlining repeatable test cycles.
- Implemented QA processes and automated testing methodologies, improving overall test lifecycle efficiency by 15%.
- Actively participated in Agile ceremonies, including Sprint Planning, Daily Standups, and Review meetings, to ensure seamless delivery.
- Analyzed product requirements to create effective test cases and scenarios, enhancing test coverage.
- Conducted defect verification, reporting, and resolution to maintain product quality.
- Proactively identified and proposed process and product enhancements, contributing to improved team performance.
- Utilized Selenium WebDriver to create robust and maintainable automation scripts.

Icertis, Pune | Senior SDET Products

Aug 2017 – Feb 2018

- Conducted in-depth analysis of Contract Management System requirements to ensure comprehensive test coverage.
- Designed and executed detailed test cases and scenarios, leading to improved testing efficiency.
- Reduced testing hours by 20% through optimization and development of automation scripts for the Contract Management System.
- Troubleshot, debugged, and enhanced the existing test automation framework, ensuring better scalability and maintainability.
- Utilized Selenium with C# to develop and maintain robust automated test suites for seamless quality assurance.

SIEMENS, Bangalore | Senior Systems Engineer

Oct 2014 – Aug 2017

- Analyzed and optimized configurations of Industrial Automation Software, gaining in-depth understanding of processes and architecture.
- Designed and developed a robust end-to-end test automation tool for the Totally Integrated Automation (TIA) Portal, increasing testing efficiency.
- Automated, executed, and maintained test cases and scenarios for sanity and integration level tests, reducing manual efforts by 25%.
- Successfully automated repetitive tasks, boosting productivity across the testing lifecycle.
- Actively participated in team meetings and product development discussions, providing valuable insights and enhancement proposals.
- Utilized internal frameworks and wrapped them with C# .Net, leveraging best test strategies to develop intelligent and maintainable test tools that streamlined operations.

Infinite Computer Solutions, Bangalore | *Senior Software Engineer*
Apr 2014 – Sept 2014

- Deputed to Philips Healthcare, Bangalore, as an automation test engineer for Magnetic Resonance Imaging (MRI) systems.
- Conducted both manual and automated testing on MRI imaging systems to ensure reliability and performance.
- Developed and maintained automated tests using Coded UI with C#, improving test efficiency and accuracy.

Magana Infotech, Bangalore | *Software Design Engineer - Test*
Aug 2013 – Apr 2014

- Deputed to Samsung Electro-Mechanics, Bangalore, and efficiently created **Test Plans**, **Test Strategies**, **Test Cases**, and **Test Scripts**.
- Designed and developed a Test Automation Framework for testing REST APIs of a web service using **C#.Net** and **WPF**, enabling automated generation and verification of HTTP requests and responses.
- Developed a versatile test tool capable of managing system-level, integration, and performance tests, handling asynchronous and random data variations.
- Leveraged **Selenium WebDriver** with C# to build a robust Test Automation Framework for UI admin utility features of the web service.
- Analysed project requirements and specifications to develop automation frameworks that exceeded client expectations in performance and reliability.

Randstad, Bangalore | *Software Engineer*
Dec 2012 – Jun 2013

- Deputed to Philips Healthcare, Bangalore, to contribute to software development and test automation for Healthcare Platform Software.
- Developed detailed test cases and scripts using NUnit and C#.Net, ensuring robust quality assurance processes.
- Performed expert testing, defect verification, and manual testing to identify and resolve critical issues.
- Monitored and maintained NUnit Tests for white box testing, effectively supporting unit testing and achieving comprehensive code coverage measurements.

Patel Microdata Pvt. Ltd., Mumbai | *System Administrator*
Oct 2007 – Jul 2010

- Managed the installation and upgrading of ship design, internal, and third-party software to ensure seamless operations.
- Developed custom macros to streamline Excel reporting for Bill of Materials (BOM) information, reducing manual work.
- Administered databases for Tribon M3 and Foran (Ship Design Software), maintaining system performance and integrity.
- Customized Python scripts to extract and process data from the Tribon M3 database, enhancing data accessibility and utility.
- Played a key role in ISO 2008 internal and external audits, ensuring compliance with quality standards.