ANUSHA VARGHESE

SENIOR QUALITY ASSURANCE ANALYST - Bug Tracking, Automation & Manual Testing

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SKILLS

- **Automation Testing & Frameworks**: Selenium WebDriver, TestNG, Postman, API Testing, JIRA, Zephyr
- **Programming & Scripting**: Core Java, Python, Angular, React.js, C++, C, ASP.NET, HTML, JEST
- **Database Management & Tools**: SQL, MS SQL Server, MS Access, SQL Server Management Studio
- **Agile & DevOps Tools**: Agile Scrum, Waterfall, V-Model, Iterative Testing, Microsoft Visual Studio, Eclipse

WORK EXPERIENCE

Senior Quality Analyst   **November 2022 – July 2023**
Audit Marshall   *Edmonton*

- Led the development of comprehensive test cases, executed detailed logging, and coordinated issue resolution to ensure 100% functionality across all modules, resulting in a 30% improvement in overall project testing coverage.
- Executed a combination of manual, regression, and User Acceptance Testing (UAT) on complex enterprise-level applications. Identified and resolved critical bugs, reducing high-severity issues by 20% and contributing 15%.
- Managed execution of 75 test cases during project deadlines; facilitated seamless communication between teams.

QA Engineer (Team Lead)   **January 2022 – August 2022**
HP   *Calgary*

- Managed and coordinated cross-functional testing teams for large-scale enterprise applications. Optimized testing workflows and key processes, reducing test execution time by 15% through automation, parallel testing
- Modernised test suites in an Agile environment, ensuring high quality deliverables with timely test case execution. Implemented CI practices, utilizing Jenkins for automated test runs, improved testing accuracy by 25%.
- Drove priority defect triage sessions, utilizing tools like Bugzilla and JIRA for defect tracking & prioritization.

Test Automation Analyst   **January 2020 – November 2021**
IOFIT   *Calgary*

- Developed and implemented scalable and automated test scripts using Java and Selenium WebDriver, resulting in 30% reduction in test execution time, significant decrease in manual intervention during regression testing.
- Led comprehensive analysis of functional and non-functional requirements, leveraging tools like JIRA and Confluence for requirement management and traceability. Enhanced test coverage by 25% for complex validated.
- Collaborated with product owners, developers, stakeholders to ensure that critical test cases prioritized 95%.

Software Tester   **August 2017 – November 2019**
Orell Techno System   *India*

- Conducted system integration testing and user acceptance testing for critical applications, ensuring full alignment with project requirements. This approach led to zero critical post-production defects, improving by 30%.
- Coordination with cross functional development teams for defect management, utilizing JIRA for defect tracking. This streamlined communication and issue resolution process reduced the testing cycle duration by 15%.
- Achieved and maintained test documentation using traceability matrices and HP ALM, and ensuring 100%.

Assistant Professor   **August 2015 – August 2017**
Bharatha Mata College   *India*

- Delivered lectures and supervised research in AI, focusing on machine learning, deep learning, and neural networks, resulting in three peer-reviewed publications and improving the department's academic visibility by 40%..
- Guiding a research team in AI techniques (NLP, reinforcement learning, computer vision, and deep learning), securing $200,000 in grants to support advanced projects, driving 30% increase in research output and innovation.
- Mentored capstone projects in AI, development & deployment of innovative software solutions, achieving a 100%.

EDUCATION

Master's in Cloud Engineering, AEC   September 2023 – December 2024
Calgary, Canada

Master's in Computer Science Engineering   2015
Anna University, India

Bachelor's in Computer Science Engineering   2012
Anna University, India

CERTIFICATIONS

- **AWS Certified Cloud Practitioner, AWS Certified Solutions Architect – Associate**
- **QA Advanced with Automation (Java Selenium), SQL, API – Institute of IT Training, Canada**
- **ISTQB Certified Tester, Microsoft Certification in ASP.NET (2012)**

PUBLICATIONS

- **International Journal of Science and Research & Australian Journal of Basic and Applied Sciences**
- **International Journal of Computer Trends and Technology (IJCTT)**