WILLIAM YU

Automation QA Developer

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Portfolio: Portfolio | William Yu QA Portfolio

PROFESSIONAL SUMMARY

Accomplished QA Automation Developer with 10+ years of experience delivering scalable testing solutions, primarily in the automotive and music tech sectors. Expertise in leading test strategy, enhancing automation frameworks, and optimizing CI/CD pipelines. Adept at cross-functional collaboration, Agile methodologies, and ensuring software reliability through robust test coverage and performance validation.

WORK EXPERIENCE

Automation QA Developer

Touchtunes, Inc., Montreal | 2023 – Present

- Designed, improved, and maintained CI/CD pipelines using Python-based frameworks (Pytest, Robot Framework).
- Developed and executed comprehensive end-to-end backend automation and performance tests for mobile apps.
- Collaborated with DevOps and development teams in an Agile environment to ensure smooth production releases.

QA Analyst

Cerence (formerly Nuance Automotive), Montreal | 2014 – 2022

- Led QA strategy to enhance test coverage and efficiency for Microsoft Azure-based automotive AI systems.
- Created test plans, developed automation scripts, executed functional/system tests, and maintained detailed bug logs.
- Streamlined QA workflows and automation coverage, increased delivery speed and improved system stability.

Software Project Manager

Brother Systems Technology, Inc., Hangzhou, China | 2011 – 2013

- Managed full project life cycles, aligning with business goals to support strategic growth.
- Coordinated teams across departments, ensuring timely and budget-aligned delivery.

EDUCATION

Bachelor of Computer Science, Jilin University, China | 2001

AEC – Web Programming, Vanier College, Montreal | 2014

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript
Frameworks: Pytest, Robot Framework
Tools & Platforms: Jenkins, GitHub, Docker, Postman, Linux
Testing: Automation, Performance Testing, Load Testing

PROFESSIONAL DEVELOPMENT

Python Programming Language – John Abbott College, Montreal | 2018

Weekly French Language Classes in the workplace – Touchtunes, Montreal | 2024–Present