Jesse Wu

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Work Experience

Wu Tech Consulting Limited   Hong Kong SAR, China
   Quality Assurance Analyst, Independent Contractor   November 2025 –

- Automated Web Auditor (Python/Playwright): Engineered a breadth-first search crawler to perform asynchronous link validation via a JSON-driven architecture, featuring configurable concurrency for respectful site access and automated CSV reporting for broken link remediation.
- LinkedIn Job Filter (JavaScript): Developed an userscript utilizing MutationObserver for real-time DOM monitoring and regex-based filtering, implementing local persistent storage and pattern caching to maintain user-defined criteria across sessions without external dependencies.

Provincial Health Services Authority   British Columbia, Canada
   Specialist, Quality Assurance and Programming   November 2024 – September 2025

- Partnered with a QA lead to scale an automated regression test suite from 40 to 140 cases (250% growth) for a SaaS web application serving 333,000 users, reducing manual regression time by days per cycle and accelerating release confidence.
- Developed UI and REST API automation test cases based on Behavior-Driven Development principles using Selenium and Java, achieving comprehensive coverage of critical business workflows.
- Enhanced CI/CD pipelines using GitHub Actions, integrating Allure Report and syncing outcomes to TestRail, reducing manual reporting effort and improving test management transparency.
- Managed the defect lifecycle in Jira within an Agile DevOps environment, collaborating with developers to log, triage, validate, and close issues, reducing resolution time and improving release quality.

   Project Coordinator   June 2023 – October 2024

- Automated 150+ daily database queries with Selenium/Python, saving 2+ labor hours daily and accelerating large dataset processing to reduce backlog.
- Collaborated with subject matter experts to update and deploy online occupational health and safety courses with Articulate Storyline on the corporate's Learning Management System, effectively integrating embedded resources, resolving legacy issues, and enhancing user experience.
- Coordinated a provincial safety data sheet database containing 17,000 entries, regularly updating the latest sheets and overseeing user access configuration and technical support requests to ensure system stability and data compliance.

   Workplace Health Assistant   January 2023 – May 2023

Education

Master of Education   April 2022
Thompson Rivers University   British Columbia, Canada
Certification: Scrum Master (PSM II), Certified Microsoft Power BI Data Analyst Associate