

LUYUAN HE (ALLEN)

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ISTQB Foundation certified and experienced Automation Test Specialist with over six years of expertise in software testing and two years of experience in development, specializing in mobile and web application automation. Proficient in designing robust test frameworks using Selenium, Appium, WebdriverIO, and other tools, driving efficiency and improving product quality across diverse industries. A strong communicator adept at collaborating in cross-functional teams and clearly conveying technical requirements. Highly adaptable and quick to learn new technologies, committed to continuous improvement and excellence in testing.

SKILLS

- Programming Languages: Java, JavaScript, TypeScript, Python, SQL(Postgres), Groovy
- Test Frameworks: Selenium, Appium, WebdriverIO, Cucumber, TestNG, Cypress, Playwright
- Tools: Git (GitHub), GitHub Actions, Jira, Charles Proxy, Postman, Newman, Jenkins, Suitest

EXPERIENCE

Test Automation Specialist, Foxtel Group

June 2021 – May 2025

- Architected and deployed a JavaScript-based WebdriverIO & BrowserStack automation suite under a shift-left strategy, detecting defects 30% earlier, cutting bug-escape rates by 40%, and accelerating feedback loops by 25%.
- Spearheaded mobile UI and regression automation using Java & TestNG, reducing manual test effort by 55% and accelerating release cycles by 20%.
- Engineered an internal NPM package using TypeScript that consolidates shared utilities and components across multiple products, decreasing code duplication by 40% and boosting development speed by 35%.
- Utilised Charles Proxy and Postman to monitor, intercept and manipulate API responses, enabling effective troubleshooting and validation of application behavior.
- Integrated CI/CD pipelines using GitHub Actions and Jenkins, creating scheduled workflows to run automation suites daily that send reports to Slack channels, ensuring early defect detection.
- Adopted a two-week Agile sprint cycle—facilitating sprint planning, daily stand-ups, sprint reviews, and retrospectives—to continuously deliver incremental product value and adapt to changing priorities.
- Collaborated with functional testing teams during major releases to expand test coverage and ensure delivery excellence.
- Created automated test scenarios for TV applications using the Suitest platform.

Software Engineer in Test, Shanghai Rising Digital

May 2018 – January 2019

- Built and maintained an automation framework using Appium, Python, and Page Object Model, saving an average of 3 minutes per test case and improving test efficiency.

- Wrote and executed comprehensive test cases covering 98% of scenarios to ensure high test coverage.
- Documented defects in a tracking system and provided actionable feedback to developers.
- Collaborated in a Scrum environment with development teams to diagnose issues, drive root cause analysis, and implement fixes.

Software Engineer in Test, Pactera Technology (Shanghai) Ltd

April 2016 – May 2018

- Created and maintained an automated performance testing platform for customised Android OS, reducing testing time by over 90% compared to manual processes.
- Continuously integrated new performance test requirements using Git, enhancing the framework's capabilities.
- Generated reports against performance metrics and escalated deviations to management for timely resolution.
- Analyzed and resolved production incidents, ensuring product stability and reliability.

Software Developer, Shanghai Gujia Network Science and Technology

July 2015 – April 2016

- Implemented web crawler tools in Groovy and Python to gather and parse data into the company database.
- Optimized database performance by writing efficient scripts, improving data processing speed.
- Researched and evaluated open-source and commercial data visualization tools to recommend optimal solutions.

Junior Android Developer, Shanghai Binpit Information Technology

August 2014 – June 2015

- Developed an Android photo editing and sharing application using Java, delivering features that enhanced user engagement.
- Adhered to Android development best practices, ensuring code quality and maintainability.
- Debugged and updated the company's other Android applications to improve performance and fix issues.

EDUCATION

- Master of Information Technology, University Of New South Wales, 2019–2021
- Bachelor of Computer Science, Mississippi State University, 2009–2013