


An Li

🎓 B.A.S Department of information & Computer Engineering, Chung Yuan Christian University
2014 - 2018

 [Linkedin.com/in/anlitalian](https://www.linkedin.com/in/anlitalian)

 hello@an-li.tw

 +81 080-7821-0870

Mandarin/Chinese: Native
English: Intermediate(B2)

Summary

QA Lead and Automation Engineer with 6+ years of experience across consumer electronics and SaaS (SalesMarker, Apple, Google). Specialized in Playwright-based E2E automation, CI/CD quality gates, and test strategy to improve release confidence. Delivered measurable impact including >80% growth in automation coverage and a 40% increase in concurrent lab test capacity through scalable frameworks, infrastructure improvements, and data-driven reporting.

Core Skills

- Automation (Deterministic): Playwright
- Agentic UI Automation (LLM-driven): Gemini Computer Use Preview, Browser Use
- CI/CD: GitHub Actions, quality gates, pipeline design
- Testing: E2E, regression, functional validation, test strategy, test case management
- Infra/Tools: AWS EKS, K8s, Ansible, Splunk, Grafana, Docker
- Languages: TypeScript, Python, Java, Bash, SQL, Swift, YAML

Experience

Lead Quality Assurance Engineer, [SalesMarker](#) - Tokyo, Japan

Oct 2024 - Present

Playwright, GitHub Actions, CI/CD, Test Strategies Management

- Leading the design and implementation of a robust end-to-end automation framework using **Playwright**, resulting in over **80% growth in automation coverage** across key product areas.
- Collaborating closely with **backend, frontend, and product teams** to align testing strategies with release goals and business requirements, ensuring high-quality deliverables across functions.
- Developing and maintaining **CI pipelines** architecture to support automated testing across multiple products, streamlining **cross-project delivery** and reducing deployment risk.
- Establishing a consistent standard for regression and functional validation across teams.
- Standardizing QA workflows and leading the adoption of **test case management strategies**, improving traceability, team onboarding efficiency, and collaboration across distributed QA members.
- Architecting and integrating a **ReportPortal-based test reporting platform** into the CI workflow on **AWS EKS**, providing visibility into test trends and enabling data-driven discussions with stakeholders.
- Prototyped LLM-driven agentic UI automation using **Gemini Computer Use Preview** and **Browser Use** to accelerate exploratory flows / smoke validation.

Sr. Automation Engineer, [Apple](#) - AI/ML System Evaluation, Yokohama, Japan April 2024 - Sep 2024

Swift, Python3, Xcode

- Optimized and maintained the quality of Siri automated testing.
- Expanded Siri's automated test coverage on Apple products.

Automation Engineer, [Apple](#) - AI/ML platform technology, Yokohama, Japan Sep 2022 - April 2024

Lab admin, Ansible, K8s, Splunk, Python3

- Maintained in-house automated configuration services, such as Docker, K8s and Ansible.
 - Redesigned rack layout and power/network distribution; improved lab throughput and increased concurrent test capacity by 40%.
 - Created data visualization tools to monitor Log/Infrastructure management with Splunk and Grafana.
 - Collaborated with cross-functional teams to troubleshoot software testing platform defects or provisioning services error. Ensure automation lab usage and performance.
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Quality Assurance Lead, [Google - Mediashell](#), Taipei, Taiwan Nov 2021 - April 2022(Parallel assignment)

Manual test, Project Management

- Led a team of 5 QAs to execute the manual test and built an environment to handle regression/retry issues.
- Designed Mediashell and SDK test plans on 4 different nest devices and created over 2000 test cases.
- Planned staff training for the Multiroom test of the product.
- Coordinated human resources and project progress with PM/RD.

Sr. Software testing Engineer, [Google - Chromecast](#), Taipei, Taiwan Nov 2020 - April 2022

Automation/Manual test, Shell Script, Java

- Executed automated tests for Chromecast 3rd, including Compatibility, Google mobile service, and Vendor suite.
- Maintained and built an automated test environment in Google Laboratory.
- Developed automated test scripts using shell script.
- Conducted manual testing for Multiroom, regression, remote, assistant, and Talkback features.

Software testing Engineer, [Google - Thermostat](#), Taipei, Taiwan April 2020 - Nov 2020

Manual test, Shell Script

- Executed sensor functional, performance, load, regression, stress, and sanity testing.
 - Planned staff training for the first off-line test of the product.
 - Collaborated with teams across Mountain View, CA, and Bangalore, India.
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Software Developer, [Grandsys Tech](#), Taipei, Taiwan Mar 2018 - Mar 2020

JAVA, JS, JSP, SQL

- Led the design and implementation of website back-end architecture, ensuring robust and scalable solutions.
- Planned and managed databases, including data backup and maintenance plan design, to ensure data integrity and availability.

- Interfaced with clients to explain system processes and gather requirements, ensuring alignment with business needs.
- Engineered solutions for high-volume data transmission, handling plans involving hundreds of millions of data transactions.