

CHRISTOPHER ARROYO

QA Lead / Senior QA Engineer

Eagle Mountain, UT • arroyoc91@gmail.com

LinkedIn: linkedin.com/in/christopher-arroyo-b3720a91 • GitHub: github.com/arroyoc

Portfolio: arroyoautomation.com

PROFESSIONAL SUMMARY

Versatile Senior QA Engineer with 10+ years of experience in test automation, manual testing, mobile QA, and hardware integration testing. Proven success establishing QA departments, leading small teams, and building scalable automation frameworks using Playwright, Appium, Selenium, and CI/CD tooling. Experienced in testing complex systems across web, mobile, Bluetooth hardware, and backend services. Strong collaborator with cross-functional teams including Product, Engineering, Operations, and Support.

PROFESSIONAL EXPERIENCE

Tech Support Manager & Senior QA Engineer — Monovo (Sep 2022 – Present)

- Founded and scaled Monovo's QA function for web, mobile, and Bluetooth hardware.
- Built Playwright regression automation integrated with CI/CD pipelines.
- Developed full tech support system integrating Dialpad/Zoom with Notion.
- Created Patient Support operational structure used across multiple departments.
- Reduced support resolution times by 40% through automation and process improvements.
- Collaborated cross-functionally to improve release cycles and operational workflows.

QA Test Lead — 365 Retail Markets (Jan 2022 – Sep 2022)

- Led a team of 4–5 QA engineers and coordinated automation strategy.
- Improved CI/CD pipelines and mentored team members.
- Oversaw regression planning and execution for multiple product lines.

Senior Quality Assurance Engineer — 365 Retail Markets (May 2019 – Jan 2022)

- Built Selenium automation framework for web testing.
- Developed Appium automation for Android and iOS.
- Engineered a credit card testing robot using Raspberry Pi and Arduino.
- Automated card testing workflows through Node.js integrations.

Quality Assurance Engineer — SaltStack (Nov 2015 – May 2019)

- Created and maintained automated tests in Python.
- Integrated automation into CI pipelines to reduce release cycle time.
- Collaborated with developers and triaged open-source defects.

QA Agent — CleanTelligent Software (Nov 2012 – Nov 2015)

- Executed manual testing for web and mobile apps.
- Documented and verified defects.

TECHNICAL SKILLS

Test Automation:	Playwright, Selenium, Appium, Cypress, Robot Framework
Languages:	JavaScript/TypeScript, Java, Python, Node.js, C#
CI/CD:	Azure DevOps, GitHub Actions, Jenkins, Docker
Testing Types:	Functional, Regression, API, Mobile, Hardware/Bluetooth
Operations:	Tech Support Systems, Notion, Dialpad, Analytics
Databases:	Firebase, SQL Server, MySQL, MongoDB
Hardware/IoT:	Raspberry Pi, Arduino, 3D Printing

FEATURED PROJECTS

- Credit Card Swiping Bot – Hardware test automation rig using Raspberry Pi, Arduino, and 3D-printed components.
- Raspberry Pi CI/CD Cluster – Multi-node cluster functioning as Azure DevOps pipeline agents.
- Venture Quest – Flutter + Firebase scavenger hunt app with 100+ active users.
- Playwright Automation Frameworks – Scalable TypeScript and Java automation frameworks.