SHUBHAM THAPAN

Product QA & Automation Lead (Fire TV) • Automation Architect • Wireless/Connectivity QA Lead

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SUMMARY

Product QA & Automation Lead with 10+ years across Amazon Fire TV and Qualcomm WLAN, delivering zero critical escapes across multiple launches. Specializes in E2E automation, device orchestration, UI automation, wireless validation, lab ops, KPI-driven QA, and tooling like Auto Jira MMS, dial-up tools, and self-healing prompts.

CORE SKILLS

QA & Automation: End-to-end automation, UI automation (Selenium, Appium, UI Automator), ADB device orchestration, regression/stability, KPI gates, triage
Wireless/Connectivity: Wi-Fi/BT/BLE/CoEx, sniffer analysis, RVR/shield boxes, WiFi labs
Tooling & Cloud: AWS (Lambda, Step Functions, EC2), REST/CLI tooling, Jenkins CI
Programming: Python, Bash
Leadership: Launch QA ownership, cross-functional alignment, mentoring, QA sign-offs
Data/ML: Amazon Q, Bedrock APIs, AI-assisted automation, ML-based test prioritization

ACHIEVEMENTS & AWARDS

• Co-led automation framework modernization (recognized for velocity gains)
• Amazon recognition for modernization + delivery speed
• Multiple Fire TV launches with zero critical post-release defects
• Trusted by leadership for performance and promotion feedback
• Qualcomm Director's Appreciation for automating 20+ WLAN setups

PROFESSIONAL EXPERIENCE

Amazon — Product QA & Automation Lead (Fire TV) | India & USA | 2018–Present
Owned end-to-end Product QA for Fire TV device families (Cube, Stick, Smart TVs), covering OOBE, Launcher, Settings, Alexa, Prime Video, and 1P/2P apps; delivered 5+ global launches with zero critical escapes. Previously part of the Connectivity team owning Wi-Fi/BT/BLE/CoEx validation and debugging before transitioning into full-scope PQA ownership. Stabilized Fire TV automation libraries and suites (automation uplift 30%→90%), built Auto Jira MMS (70%+ reduction in manual defect handling), created dial-up tools for LTPMs, maintained router/remote rigs, and implemented self-healing prompt logic for reliability. Managed stability testbeds, reproducible environments, and KPI-driven quality gates. Automated hotspot onboarding & ISP/VNO workflows to reduce manual regression. Led daily triage, cross-team alignment, AWS-backed launch readiness, and delivered performance/promotion feedback for QA and automation engineers.

Qualcomm — Sr. Software Engineer, WLAN Validation & Automation | India | 2015–2018
Built ML test prioritization + WLAN sanity automation (Perl/Python). Designed 150+ stress labs, RF/RVR/sniffer workflows, reproducible setups. Owned Dakota bring-up→release with zero critical escapes. Automated 20+ WLAN setups (Director's Appreciation). Led WAN/LAN/WLAN/USB validation, max-client testing (150+ clients), and stability automation.

EDUCATION

PG Diploma – Embedded System Design, CDAC India
B.E. – Electronics & Communication, JSSATE India

SELECTED IMPACT

• 70%+ reduction in manual defect work (Auto Jira MMS)
• Automation uplift 30%→90%
• Zero critical escapes across Fire TV generations
• Improved lab reproducibility + utilization (+25%)