RYAN DURHAM

Senior QA Engineer | Test Automation | Software Development

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TECHNICAL SUMMARY

QA Engineer with 15+ years testing mobile devices, AR/VR hardware, and software applications at Meta, AT&T, and Microsoft. Built test automation reducing cycles by 50%. Certified 500+ devices for major carriers. Skilled in Python, Selenium, API testing, and cross-platform debugging. Currently developing AI-powered automation tools and modern web applications.

CORE COMPETENCIES

Testing & QA: Manual/Automated Testing • Test Planning & Strategy • API Testing • Regression Testing • Bug Triage • Device Validation • Performance Testing

Technical Skills: Python • JavaScript/React • Selenium • Appium • ADB/Logcat • Shell Scripting • Git • pytest • CI/CD • API Integration

Platforms: Android/iOS • AR/VR • IoT Devices • 5G/LTE Networks • Web Applications • Cloud Services

Tools & Systems: Jira • TestRail • Chrome DevTools • Postman • Ubuntu • Agile/Scrum • Cross-functional Collaboration

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PROFESSIONAL EXPERIENCE

Technical Lead | HCLTech (Meta Contract) | Redmond, WA | Apr 2024 - Mar 2025

- Led end-to-end QA for Meta's AR smart glasses and companion mobile apps across iOS and Android platforms
- Validated AI features including live speech translation, generative AI interactions, AR calling, and thermal/power performance
- Created comprehensive test plans and executed bug triage using TestRail and Jira, achieving 0% launch blockers across multiple firmware releases
- Collaborated with cross-functional teams (engineering, product, design) to resolve complex hardware/software integration issues

Lead QA Test Engineer | Luxoft (AT&T Contract) | Redmond, WA | Sept 2020 - Jan 2024

- Directed QA operations for AT&T's mobile device portfolio including smartphones, tablets, wearables, and IoT devices
- Tested emerging technologies: 5G/LTE networks, FirstNet emergency services, MCPTT (mission-critical push-to-talk), Wi-Fi calling, and video streaming applications

- Managed global QA teams across multiple time zones, coordinating with vendors and OEMs for device certification programs
- Developed automated regression test suites, reducing manual testing effort and accelerating release cycles

Technical Test Engineer | AT&T | Redmond, WA | Sept 2006 - Sept 2020

- Tested and certified 500+ devices for AT&T including smartphones, tablets, smartwatches, VR headsets, and connected IoT devices
- Partnered directly with Google, Apple, Samsung, and other manufacturers to validate device compliance and resolve critical defects
- Built automation frameworks using Python and Selenium that reduced testing time by 50% and improved release quality
- Performed advanced debugging with ADB, logcat, and shell commands to identify root causes of complex technical issues
- Developed and executed comprehensive test plans supporting carrier certification and software release cycles

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KEY PROJECTS & ACHIEVEMENTS

Meta "Project Orion" AR Glasses Launch - Led comprehensive testing for next-gen AR prototype covering AI integration, thermal analysis, battery optimization, and app performance validation

FirstNet MCPTT Demonstration - Managed 3-year program showcasing mission-critical communications for first responders, presenting results to FirstNet Authority stakeholders

Nvidia GeForce NOW 5G Slicing - Validated 5G network slicing technology for cloud gaming, testing enhanced bandwidth and reduced latency performance

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TECHNICAL PROJECTS

SauceDemo Automation Suite - Full e-commerce test automation built with Python/Selenium featuring cross-browser testing (Chrome, Edge, Firefox, Safari), visual element highlighting, and comprehensive user workflow validation. [View Demo](#)

Password Strength Validator - Full-stack security application with Python backend validated by 48 pytest tests, featuring real-time strength analysis and interactive web UI. [Live Demo](#)

Fake-Store API Checkout Tester - Interactive API testing demo showcasing e-commerce checkout flows, error handling, and live assertion tracking with pass/fail validations. [Live Demo](#)

EDUCATION & CERTIFICATIONS

B.A. Communications - New Media Technologies | University of Washington

Certifications: Gen AI for Developers & Testers • API Testing Foundations • Python Essentials s •Test Automation Foundations • Agile Software Development • Mobile Testing with Appium • Project Management Foundations