

# RYAN DURHAM

## Senior QA Engineer / SDET

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## PROFESSIONAL SUMMARY

Senior QA Engineer / SDET with **15+ years** of experience testing complex software, mobile, and hardware ecosystems across **AR/VR, mobile devices, APIs, web applications, and 5G networks**. Proven record of building **automation frameworks reducing test cycles by 50%**, leading cross-functional QA efforts, and shipping high-quality products. Strong in **Python, Selenium, API testing, CI/CD**, and modern test strategy.

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## CORE SKILLS

**Test Engineering:** Test Strategy • Automated & Manual Testing • API Testing • Regression & Integration • Bug Triage • Performance Testing

**Automation & Dev:** Python • Selenium • pytest • Appium • JavaScript • REST APIs • CI/CD • Git

**Platforms & Tools:** Web • Android • iOS • AR/VR • IoT • 5G/LTE • Jira • TestRail • Postman • ADB/Logcat • Linux • Agile/Scrum

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## PROFESSIONAL EXPERIENCE

### Technical Lead – QA

**HCLTech (Meta Contract)** | Redmond, WA | Apr 2024 – Mar 2025

- Led end-to-end QA for **Meta AR smart glasses** and companion iOS/Android apps across firmware, mobile, and backend systems
  - Validated **AI-driven features** (speech translation, generative AI, AR calling) plus thermal, battery, and performance readiness
  - Owned test planning, execution, and defect triage in **TestRail/Jira**, delivering **0% launch blockers** across multiple releases
  - Partnered cross-functionally to resolve complex **hardware/software integration issues**
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### Lead QA Test Engineer

**Luxoft (AT&T Contract)** | Redmond, WA | Sept 2020 – Jan 2024

- Led QA for AT&T's **mobile, wearable, and IoT device portfolio**
  - Tested **5G/LTE features** including FirstNet, MCPTT, Wi-Fi Calling, and streaming applications
  - Coordinated **global QA teams** and OEM partners supporting large-scale certification programs
  - Built **automated regression suites** reducing manual effort and accelerating releases
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## Senior / Technical Test Engineer

**AT&T** | Redmond, WA | Sept 2006 – Sept 2020

- Certified **500+ devices** across smartphones, tablets, wearables, VR, and IoT
  - Worked directly with **Google, Apple, Samsung, and major OEMs** on device compliance and defect resolution
  - Built **Python/Selenium automation frameworks** cutting test cycles by **50%**
  - Performed advanced debugging with **ADB, logcat, and shell tools**
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## SELECTED PROJECTS & ACHIEVEMENTS

- **Meta "Project Orion" AR Glasses:** QA lead for next-gen AR prototype covering AI integration, thermal analysis, battery optimization, and performance
  - **FirstNet MCPTT Program:** Supported multi-year mission-critical communications initiative for first responders
  - **NVIDIA GeForce NOW – 5G Slicing:** Validated cloud gaming performance using 5G network slicing for bandwidth and latency optimization
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## TECHNICAL PROJECTS (PORTFOLIO)

- **SauceDemo Automation Suite:** End-to-end e-commerce automation using Python/Selenium with cross-browser coverage
- **Fake Store API Checkout Tester:** Interactive API testing demo validating checkout flows and error handling
- **Password Strength Validator:** Python-based security app with automated pytest coverage

(Additional demos at [ryanwdurham.github.io/Digital-Durham](https://ryanwdurham.github.io/Digital-Durham))

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## EDUCATION & CERTIFICATIONS

**B.A. Communications – New Media Technologies**

University of Washington