Suprabhat Bharti

Lead Engineer (SDET) – HCL Technologies Ltd.

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Professional Summary

Software Development Engineer in Test (SDET) with 6 years of experience in automation and manual testing across web, AI automation, API, Mobile, AR/VR devices. Skilled in Java, Selenium, TestNG, Postman for API testing, functional & regression testing, device testing (iOS, Android, Oculus, Ray-Ban Meta). Strong expertise in bug tracking (JIRA, Bugmaker), Agile methodology, customer interaction, and delivering high-quality automation frameworks that reduce testing cycles and ensure defect-free releases, with leadership experience mentoring teams of 20+ members and managing escalations to ensure smooth product delivery. Automated and optimized test frameworks that reduced execution time, delivered defect-free releases, accelerated deployment cycles, and streamlined QA processes.

Professional Career

6 years QA experience, including 3+ years focused on automation (Java + Selenium) with continuous exposure to API, manual, functional, and device testing.

Technical Skills

- **Automation Tools & Frameworks:**
  - Selenium, TestNG, ADB, TestRail, Postman, AI Automation
  - Android - Mobile QA test automation using LambdaTest, Appium, BitRise, Kotlin, Jetpack Compose
  - iOS - Mobile QA test automation using LambdaTest, Appium, BitRise, Swift, SwiftUI
- **Programming Languages:** Java
- **Testing Types:** Automation, API Testing, Database Testing, Manual, Functional, Regression, Black/White Box, UAT, Web, Thermal, Power Consumption, Battery Life, OTA, Game Testing
- **Platforms**: Android and iOS Mobile application, VR/AR Devices (Oculus, Ray-Ban Meta)
- **Bug Tracking Tools**: JIRA, Bugmaker
- **Methodologies:** Agile, V-Model
- **Other Skills:** Test Planning, Test Case Design/Writing, Bug Reporting, Bug Analysis, Automation Framework Design, Team Leadership, Escalation Management, Customer Interaction, Documentation of Test Reports

- **Domain**: Social Media, Virtual Reality , Augmented Reality

Professional Experience

HCL Tech [From October 2019 to till date…]

Project 1– Meta – Automation Testing (Selenium with Java)
- Designed and implemented robust automation frameworks in Selenium and Java, increasing test coverage by 50% and reducing manual testing effort by 30%.
- Managed complex regression test suites, improving execution efficiency and cutting release testing cycles by 40%.
- Collaborated with clients to refine acceptance criteria, achieving greater alignment in automation scope.

Project 2– Meta – Ray-Ban Stories & Meta AR Glasses Software Testing (AR/VR Device software Testing)
- Conducted smoke, regression, and thermal testing of AR glasses.
- Validated BLE/BTC connectivity, Wi-Fi Direct, SoftAP, HFP, A2DP features.
- Authored test plans, defect reports, and daily client updates.
- Led companion app testing (iOS & Android) to ensure seamless device connectivity.

Project 3– Facebook Oculus (VR Devices software testing and Android/iOS application app test)
- Executing test cases of different modules of VR devices.
- Responsible for testing iOS and Android applications.
- Filing good and critical bugs to make sure there is no defect after release.
- Tested VR devices (Quest, Quest 2, Rift, Go) and associated mobile applications.
- Created/executed test plans via TestRail, filed bugs in Bugmaker.
- Reported and tracked critical issues, reducing post-release defects significantly.
- Ensured testing adhered to defined quality standards & procedures.

Academic Qualification

- **B.Tech (Honors), Electrical and Electronics Engineering**
  Kalasalingam Academy of Research and Education, Virudhunagar, Tamil Nadu | 2019