

MAYURI KHOT

SOFTWARE ENGINEER - QA

PROFESSIONAL SUMMARY

Results-driven QA Engineer with 4.4 years of expertise in mobile security applications, delivering high-quality software through comprehensive testing strategies. Reduced defect leakage by 30% through systematic root cause analysis and early-stage collaboration. Expert in Web and Android debugging (ADB/Fastboot), API testing, UAT testing and Regression testing. Proven track record in Agile environments, enhancing test coverage and ensuring on-time project delivery for enterprise applications.

TECHNICAL SKILLS

Testing Expertise: Manual Testing, Web Application Testing, Mobile Application Testing (Android & iOS), API Testing, Security Testing, Privacy Testing, Regression Testing, Integration Testing, User Acceptance Testing (UAT), Exploratory Testing, Load Testing, Performance Testing

Testing Techniques: Boundary Value Analysis (BVA), Equivalence Class Partitioning (ECP), Code Coverage Analysis, Requirement Traceability Matrix (RTM), Risk-Based Testing, Test Case Design

Mobile Testing Tools: Android Debug Bridge (ADB), Fastboot Commands, Android Studio, Xcode, iOS Simulator, Android Emulator, logcat, Console.app, TestFlight, MeasureMate

Tools Used: JIRA, Git, Bitbucket, GitHub, POSTMAN, JMETER, CloudBees, SQL, DevTools.

Methodologies: Agile, Scrum, SAFe, Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC), Defect Management

CERTIFICATIONS

ISTQB Foundation Level Certification in Software Testing

PROFESSIONAL EXPERIENCE

SENIOR QA ENGINEER

TechHighBrows Software Solutions Pvt. Ltd.

September 2025 - Present

Project: F-Secure ActiveArmor - Mobile Security Application

- Spearheaded end-to-end quality assurance for ActiveArmor iOS/Android security platform, validating encryption protocols and privacy controls across 15+ device models
- Executed 200+ test cases for mobile security features including permission validation, data encryption verification, and secure storage testing
- Leveraged ADB commands to analyze crash logs (logcat), reducing debugging time by 40% through systematic device-level troubleshooting

- Implemented Fastboot testing protocols for device flashing and recovery scenarios, identifying 12 critical bootloader vulnerabilities
- Orchestrated analytics validation strategy, creating 50+ test scenarios for event tracking and user attribute accuracy
- Validated iOS builds using Xcode instruments and TestFlight, ensuring 98% crash-free rate before production release
- Streamlined CI/CD pipeline testing (CloudBees, Bitbucket), reducing build failure rate by 25% through automated validation
- Conducted cross-platform compatibility testing, ensuring feature parity across iOS 14+ and Android 10+ versions
- Documented 35+ security defects with detailed reproduction steps, achieving 100% resolution rate within sprint cycles

Project: Hightouch - Data Analytics & User Behavior Tracking

- Architected comprehensive test strategy for data pipeline integration, validating 500K+ daily events across mobile platforms
- Executed API testing for 20+ synchronization endpoints, achieving 99.9% data accuracy across all environments
- Designed 100+ test cases covering analytics events, user attributes, and data transformation logic for behavioral tracking
- Validated event accuracy across 30+ user journey scenarios, reducing data discrepancies by 45%
- Performed cross-platform analytics testing, ensuring consistent event structure between iOS and Android implementations
- Implemented data quality framework including schema validation and null-value handling, improving data integrity by 35%
- Collaborated with data engineering to optimize pipeline performance, reducing synchronization latency by 50%

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Intellicredence Pvt. Ltd.

July 2024 - June 2025

Project: TVS Motor Company - Dealership Management System (DMS)

- Led QA efforts for enterprise DMS platform serving 1,000+ TVS dealerships nationwide, managing inventory, sales, service, and finance modules
- Collaborated with 10+ stakeholders to analyze requirements and design 300+ test cases for critical dealer operations
- Executed comprehensive testing across web and mobile platforms (Android & iOS), identifying 85+ defects before production
- Reduced post-release defects by 40% through systematic regression testing across 8 major release cycles
- Managed defect tracking in JIRA with detailed root cause analysis, maintaining 95% on-time resolution rate

- Facilitated UAT sessions with 20+ end users, gathering feedback that improved system usability by 30%
- Conducted API integration testing for third-party systems, ensuring seamless data synchronization across modules
- Contributed to Agile ceremonies in SAFe framework, improving sprint velocity by 15% through proactive testing
- Achieved 100% on-time delivery for Service module deployment, enhancing dealer operational efficiency by 25%

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MPS Pvt. Ltd.

November 2019 - October 2022

Project: Soffront CRM

- Executed comprehensive QA for CRM platform serving 500+ SMB clients, testing sales, marketing, and customer service modules
- Developed 250+ manual test cases covering functional, regression, integration, and UAT scenarios
- Maintained Requirements Traceability Matrix (RTM) with 100% requirement coverage across all releases
- Identified 120+ defects through systematic testing, achieving 98% resolution rate before production deployment
- Validated data integrity across storage and retrieval operations, ensuring accurate role-based access controls
- Improved defect reporting process, reducing average resolution time by 20% through detailed documentation
- Facilitated cross-team collaboration with developers and business analysts, improving communication efficiency by 30%
- Generated weekly testing metrics and reports, providing stakeholders with clear visibility into application quality

KEY ACHIEVEMENTS

- Reduced defect leakage by 30% through meticulous testing and early-stage developer collaboration across multiple projects
- Improved test coverage by 35% by implementing structured test scenarios and comprehensive test repositories
- Achieved 100% on-time delivery for critical Service module deployment, enhancing dealer operational efficiency by 25%
- Identified 12 critical security vulnerabilities through systematic mobile security testing and ADB analysis
- Recognized with team appreciation award for ensuring on-time delivery of 3 major project milestones

EDUCATION

Bachelor of Engineering in Computer Science Engineering - First Class

Visvesvaraya Technological University, Belgaum | 2019

LANGUAGES

English, Kannada, Hindi, Marathi