

PRATHAMESH PATIL

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PROFESSIONAL SUMMARY

Software Quality Assurance Engineer with 4+ years of experience testing scalable enterprise desktop (.exe), web, and mobile applications across B2B SaaS and Intelligent Transportation Systems (ITS). Proven track record of leveraging AI-driven workflows (Claude, ChatGPT, Gemini, Cursor, Copilot) for PR code analysis, risk identification, and advanced test generation. Certified in Product Management, combining agile user story mapping with deep technical execution to drive robust, defect-free releases.

SKILLS

Testing Expertise

Manual, API, Functional, Regression, Sanity, Performance, Security, Usability, Exploratory, Cross-browser, Mobile, Database Testing, Desktop Client (.exe) Testing, System Integration Testing (SIT), End-to-End (E2E) Testing, Risk-Based Testing

Tools & Frameworks

Postman, Playwright, CI/CD, JIRA, Git, GitHub, TestRail, Datadog, MongoDB Compass, Android Studio, Chrome DevTools, TestFlight, SSMS (SQL Server Management Studio), SQLCMD, mRemoteNG

AI Tools & Workflows

ChatGPT, Claude, Gemini, Cursor, GitHub Copilot, AI-Assisted PR Code Review, AI-Driven Test Generation and Log Analysis

Programming & Databases

Python, JavaScript, MySQL, MS SQL Server

Product Management

Strategic Thinking, Product Roadmapping, Requirements Gathering, Analysis and Prioritization, User Story Creation, Ideation, Stakeholder Management, Product Vision, Market Research, User Empathy, Innovation

Agile & Scrum

Sprint Planning, Daily Standups, Sprint Reviews, Retrospectives, Backlog Grooming, Story Estimation, Velocity Tracking, UAT Collaboration, Cross-Functional Collaboration

Quality Processes

SDLC, STLC, Test Strategy, Test Planning, Test Documentation, Bug Reporting, Defect Tracking, Defect Life Cycle, Root Cause Analysis, Metrics and Reporting, UI/UX Evaluation

Soft Skills

Communication, Critical Thinking, Problem-Solving, Knowledge Sharing, Mentoring, Conflict Resolution, Time Management, Data Analysis, Team Coordination, Release Ownership

WORK EXPERIENCE & KEY PROJECTS

QA Engineer

July 2025 – Present

Hitachi Rail (contracted via Braves Technologies), Pune, India

Key Project: CleverCAD & BusTime Multi-System Integration (Role: QA Engineer) *July 2025 – Present*

- Conducted end-to-end manual, functional, and interoperability testing between **CleverCAD** (Windows .exe Computer-Aided Dispatch application), **BusTime** (real-time passenger information web app), and connected transit modules, achieving a **98% defect-free release rate**.
- Conducted deep Pull Request (PR) code reviews and leveraged AI assistants (**Cursor, Claude, ChatGPT, Copilot**) to cross-examine code changes, mapping out highly accurate impact zones and predicting edge-case failure risks before test execution.
- Managed complex test setups across multiple remote Virtual Machines (VMs) simultaneously using **mRemoteNG**—deploying and configuring different versions of desktop .exe clients alongside web environments to verify multi-project deployments and live application interactions, improving test execution efficiency by **35%**.
- Simulated real-world dispatch and fleet operations (route detours, schedule adherence, emergency alerts, and operator messaging) in the desktop .exe client and validated live data synchronization with web modules and passenger displays with **99.9% accuracy**.
- Executed backend database validation using **SSMS** and **SQLCMD**, querying SQL databases to confirm that UI actions across desktop and web modules accurately updated route schedules, vehicle states, and event logs, identifying **40+ critical data-sync defects** pre-release.

- Created and executed detailed test cases, logged defects in **JIRA**, and collaborated closely with developers, Product Owners, and product teams for efficient issue resolution, reducing defect turnaround time by **30%**.

Associate QA Engineer

Nov 2022 – July 2025

24/7 Software, Pune, India

- Designed and executed comprehensive test plans covering new features, regression, and usability testing across enterprise web and mobile platforms — achieving **97% bug-free releases**.
- Analyzed customer feedback and product usage trends to influence test scope and identify critical feature gaps, reducing support tickets by **20%** and improving user experience.
- Executed **100+ cross-platform test scenarios** across Android/iOS and web browsers, ensuring **98% feature parity**, high delivery confidence, and consistent UI behavior.
- Served as QA point of contact during Agile sprints, collaborating with PMs and developers to triage bugs, shorten test-feedback loops by **30%**, and reduce average defect resolution time by **40%**.

Project: CMMS – Computerized Maintenance Management System (Role: QA Lead) Nov 2022 – July 2025

- Led the end-to-end QA effort for mobile and web CMMS applications, overseeing test planning, prioritization, defect triage, and coordination across all testing phases while increasing overall test coverage by **60%**.
- Built and maintained automated **Postman**-based API testing suites and utilized AI-driven prompt workflows to generate test scripts and validate payloads, cutting manual API testing effort by over **60%** and saving **50% overall regression effort**.
- Contributed key product insights and QA root-cause analysis that resolved a high-priority iOS issue, directly helping close enterprise deals with **European clients**.
- Mentored junior QA team members, facilitated product-focused knowledge sharing sessions, and aligned test cases with business requirements to improve defect detection efficiency and reduce rework cycles.

Project: IMS – Incident Management System (Role: Assistant QA)

Oct 2024 – Mar 2025

- Owned QA coverage for the complete lifecycle of incident creation, escalation, and resolution across web and mobile platforms, reducing post-deployment issues by **40%** and improving turnaround time on escalated tickets by **25%**.

Project: Checkpoint App – Tag Scanning and Patrol Tracking (Role: Assistant QA) Feb 2023 – Apr 2023

- Validated mobile app functionality including GPS tracking, authentication, and real-time sync to ensure full patrol coverage, while executing web reporting tests that identified **30+ usability enhancements** and improved app store ratings by **30%**.

ACHIEVEMENTS

- Spearheaded AI-assisted PR code review workflows to proactively identify architectural risk areas, cutting post-deployment integration bugs by **45%**.
- Orchestrated multi-VM integration testing workflows for enterprise transit releases at Hitachi Rail, cutting cross-application regression bottlenecks by **35%**.
- Designed and deployed Postman-based API automation suite that reduced overall regression effort by **60%**.
- Consistently aligned QA efforts with evolving product vision, resulting in fewer change-related bugs and smoother deployments.

EDUCATION

B.Tech in Computer Science and Engineering

Lovely Professional University, Punjab, India

July 2019 – June 2023

CGPA: 8.04/10

CERTIFICATIONS

- Becoming a Product Manager – International Institute of Business Analysis
- Workshops in API Testing and Agile Methodologies