

EXPERIENCE

Altoura India Pvt Ltd

Feb 2025 – Present

Test Engineer

- Led end-to-end **validation** of the Altoura Frontline **web** authoring platform, covering **20+** workflows, **business logic**, **REST** integrations, 3D/GLB rendering, and **cross-device** compatibility across Meta Quest, HoloLens 2 & Apple Vision Pro.
- Performed complete **Testing** of **Android** and **iOS** applications, covering **50+** feature scenarios and cross-platform **state persistence** across web and **5+** additional platforms.
- Independently **architected** and **implemented** web automation for **CRUD**-based workflows, building a **scalable regression suite** integrated with **CI pipelines** and nightly scheduled **CRON** jobs, reducing manual validation effort by **30%**.
- Owned the **defect** lifecycle in **Azure DevOps** for **100+** **high-priority** defects, conducting root cause **analysis**, **impact** assessment, **severity** classification, and driving **cross-team** resolution throughout **sprint** cycles.
- **Verified 30+** **API** endpoints powering **AI chatbot**, **Video-to-step** services, and multiple application **workflows**, verifying **request/response** structures, error handling (**4xx/5xx**), and backend **data consistency** across **distributed** platforms.
- Evaluated Altoura Remote Expert behavior under varying **network** conditions (**2G-WiFi**), assessing **real-time** call **stability**, **latency** behavior (**300 ms** target), **retry** logic, and **failure recovery** scenarios.
- Supported **sprint** and **release** workflows within a **Scrum** framework across two-week cycles, tracking **dependencies**, validating releases, and ensuring **go-live** readiness for **production deployments**.

Surreal Technologies

Aug 2023 – Jan 2025

Quality Assurance Analyst

- Designed risk-based **functional**, **non-functional**, and **regression** testing strategies through early **requirement reviews** and **impact** analysis, ensuring **coverage** across **15+** **critical** business workflows.
 - Led comprehensive validation of the **vehicle tracking** platform, covering **25+** **REST** endpoints and **3+** **third-party** integrations to ensure cross-service **data consistency** while mitigating bugs based on **priority** level.
 - Validated **authorization** flows and Role-Based Access Control (**RBAC**) logic across **5+** user roles, ensuring correct **role-permission** mappings and **least-privilege** access.
 - Served as **primary QA** stakeholder across **engineering** and **product** teams, driving **defect** triage and release validation, reducing defect resolution time by **20%**.
 - Established a **dedicated QA** environment and formalized two-stage (**QA & Stage**) release **validation checkpoints**, improving release **predictability** and reducing **post-deployment** issues.
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PERSONAL PROJECTS

Scalable Amazon E2E UI Automation Platform

GitHub | YouTube | Live Test Report

Tech: *Java* | *Selenium 4* | *TestNG* | *Maven* | *GitHub Actions* | *Log4j2* | *ExtentReports* | *WebDriverManager* | *Apache POI*

- Architected a layered **Selenium 4** automation framework featuring **ThreadLocal**-based **parallel execution**, **multi-browser** support (**Chrome**, **Firefox**, **Edge**), and config-driven **headless/Grid** execution with isolated **WebDriver** lifecycle management.
- Developed an **in-house** wrapping layer (**SafeActions**) abstracting **Selenium** interactions with **waits**, **retry analyzers**, **Log4j2** routing, automated **screenshots**, **per-run/test** isolation, and embedded **Extent** reporting for better debugging.
- Designed **CI-driven** execution workflows in **GitHub Actions**, differentiating **push-triggered** and nightly **CRON** runs, automating **GitHub Pages** report deployment and **Discord** notifications, while expanding **test coverage** through dynamic **TestNG DataProviders** (Excel-backed) and **browser** capability **optimizations** for **stable** CI execution.

YouTube Multilingual Localization Validation Framework

GitHub | YouTube | Live Test Report

Tech: *Java* | *Selenium 4* | *TestNG* | *Maven* | *GitHub Actions* | *Log4j2* | *ExtentReports* | *WebDriverManager* | *Apache POI* | *Lingua*

- Built a **40+** **locale multilingual validation framework** combining **DOM-level UI** extraction, **Lingua**-based language detection, and **html lang** metadata **verification** to validate **localization** across **navigation** flows, **filters**, and **region**-specific configuration states.
 - Engineered a validation **engine** correlating **runtime UI** text with **Excel-driven** expectation **matrices** to verify **multilingual** consistency and validate **geographic** state transitions (**country** → **locale** checks).
 - Implemented **CI-driven multilingual regression runs** with parameterized coverage control, integrating structured **HTML reporting**, **per-test log** isolation, artifact bundling, and **Discord-based** execution notifications.
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SKILLS

Programming & Automation: **Java** | **Selenium WebDriver** | **Selenium Grid** | **TestNG** | **POM** | **Maven** | **Data-Driven Testing** | **Parallel Execution** | **Localization Testing**.

API & System Testing: **REST API Testing** | **Postman** | **UI Testing (Web, Android, iOS)**.

CI/CD & DevOps: **Git** | **GitHub** | **GitHub Actions** | **Jenkins** | **Discord Webhooks**.

Debugging & Reporting: **Log4j2** | **Extent Reports** | **GitHub Pages**

Data & Validation: **Apache POI** | **Lingua(Language Detection)**

Agile & Defect Management: **Azure DevOps** | **JIRA** | **ClickUp** | **Scrum** | **Release Management** | **RCA Analysis**

EDUCATION

Bachelor's Degree : KLE Academy of Higher Education and Research, Belagavi.

Aug 2018 – Aug 2022

Pre-University College : Guru Nanak Ind PU College, Bidar.

Mar 2016 – Mar 2018