

Ajith J

SDET | QA Automation Engineer | AI Application Builder

+91 8075783949 · ajujayan1009@gmail.com · linkedin.com/in/ajithj1099 · github.com/Ajithjayan

PROFESSIONAL SUMMARY

SDET with 6+ years of experience across banking, ERP, and enterprise applications — progressing from structured manual testing to automation-first quality engineering. Hands-on expertise in Selenium WebDriver, Java, TestNG, RestAssured API testing, and CI/CD integration with Jenkins. Built a complete hybrid automation framework from scratch. Additionally designed and deployed a full-stack AI application (Roam) integrating Google Places API, Gemini AI, and Supabase demonstrating advanced understanding of API architectures, serverless functions, rate limiting, and real-world test scenarios. Targeting SDET roles at product companies where automation depth and AI literacy create immediate impact.

KEY ACHIEVEMENTS

- ▶ Built a complete Selenium TestNG hybrid automation framework from scratch — covering POM design, data-driven execution, Extent Reports integration, and Jenkins CI/CD pipeline with GitHub webhook triggers.
- ▶ Designed and deployed Roam - a full-stack AI application with Google Places API, Gemini AI mood engine, Supabase PostgreSQL backend, and Vercel serverless functions — live at roam-your-mood-s-compass.vercel.app.
- ▶ Designed a complete API test suite from scratch using Postman for Axis Bank banking workflows — covering authentication, account services, and transactional APIs with reusable collections and automated validations.
- ▶ Led QA activities for a multi-region Oracle ERP transformation across US, EMEA, APAC, and LATAM — coordinating global team execution and defect triage across SIT, UAT, and Regression phases.
- ▶ Reduced manual regression effort significantly by building reusable Postman API collections that replaced repetitive manual test cycles.

TECHNICAL SKILLS

Languages	Java, SQL, Python, JavaScript (React, TypeScript)
Automation	Selenium WebDriver (Java), TestNG, RestAssured, Postman, Page Object Model, Data-Driven Framework, Hybrid Framework
API Testing	REST APIs (GET, POST, PUT, DELETE, PATCH), OAuth 2.0, Token Auth, JSON validation, Response schema testing, Rate limit testing
CI / CD	Jenkins, Maven, Git, GitHub, GitHub Webhooks, Vercel, ngrok
AI / Cloud	Google Gemini AI API, Google Places API (New), Anthropic Claude API, Supabase (PostgreSQL), Vercel Serverless
Databases	SQL — backend data validation, query writing, API-DB consistency testing
Tools	Jira, Panaya, Extent Reports, Allure, Oracle Fusion Cloud, Volt MX
Testing Types	Functional, Integration, Regression, UAT, API, Mobile (iOS/Android), NFR, Shift-Left
Methodologies	Agile / Scrum, SDLC, STLC, Defect lifecycle management

PROJECTS

Roam — AI-Powered Mood-Based Place Discovery App

roam-your-mood-s-compass.vercel.app

Stack: React TypeScript, Vite, Tailwind, Framer Motion, Vercel Serverless, Google Places API (New), Google Gemini AI, Anthropic Claude API, Supabase PostgreSQL, GitHub CI/CD

- ▶ Designed and built a full-stack AI application from scratch with zero prior coding experience demonstrating ability to learn and ship complex technical systems independently.

- ▶ Integrated Google Places API (New) with dynamic field masks, location-based search within configurable radius using Haversine geo-fencing, and real-time photo retrieval.
- ▶ Built a 2-stage Gemini AI engine — Stage 1 maps user mood and vibe profile to optimal Google place types, Stage 2 generates personalised why-this-matches explanations per place.
- ▶ Implemented Vercel serverless API endpoints (/api/places, /api/chat, /api/places/batch) with rate limiting (10 req/min/IP), CORS headers, environment variable security, and graceful fallback logic.
- ▶ Built anonymous auth and saved places persistence using Supabase Row Level Security — users can only access their own data even if frontend is bypassed.
- ▶ Implemented city-level geo-fencing restricting app to Palakkad and Kochi using GPS detection and Haversine distance calculation — unsupported locations see a waitlist gate.
- ▶ QA relevance: Entire app serves as a live test application — API endpoints are fully testable with RestAssured, UI flows testable with Selenium, rate limiting logic directly applicable to performance and security testing.

Selenium Automation Framework — ParaBank Banking Application

github.com/Ajithjayan/ParaBankAutomation

Stack: Java, Selenium WebDriver, TestNG, Maven, Jenkins, Extent Reports, GitHub, ngrok

- ▶ Built a complete hybrid automation framework from scratch — Page Object Model architecture with BasePage, reusable utility methods, and separation of test logic from locators.
- ▶ Implemented data-driven testing using TestNG @DataProvider — same test executes across multiple data sets without code duplication.
- ▶ Integrated Extent Reports with Jenkins — HTML test reports auto-published after every pipeline run, accessible via Jenkins build dashboard.
- ▶ Set up GitHub webhook with ngrok tunnel to trigger Jenkins pipeline automatically on every git push — true CI/CD for the test suite.
- ▶ Covered core banking test scenarios — login, account creation, fund transfer, balance validation, session management.

PROFESSIONAL EXPERIENCE

HCL Technologies | Associate Consultant II

Mar 2025 – Present

Client: Axis Bank — Volt MX Mobile & Web Banking Platform

- ▶ Owned end-to-end QA for a high-traffic Axis Bank application across web and mobile (iOS/Android) — covering functional, regression, integration, and API testing across sprint cycles.
- ▶ Designed API test scenarios for authentication, account services, and transactional banking workflows — built reusable Postman collections covering 50+ endpoints with automated validations.
- ▶ Performed SQL backend data validation — ensuring API responses matched database state for transactional consistency and data integrity.
- ▶ Collaborated with developers and product owners in Agile sprints to shift testing left — identifying defects earlier in the cycle and improving release stability.
- ▶ Managed defect lifecycle in Jira — logging, tracking, retest, and closure — contributing to measurable improvement in defect escape rate.

HCL Technologies | Associate Consultant II

Mar 2024 – Feb 2025

Client: Johnson Controls — Oracle Fusion Cloud ERP Global Transformation

- ▶ Defined and executed test strategy for a global ERP transformation across US, EMEA, APAC, and LATAM — covering SIT, UAT, Regression, and NFR testing with clear entry/exit criteria.
- ▶ Coordinated a distributed global QA team — managing task allocation, execution tracking, and defect triage across time zones and regional business units.
- ▶ Performed API and interface testing between Oracle Fusion modules and integrated third-party systems — validating data flows across module boundaries.

- ▶ Used Panaya for change impact analysis and test scope identification — reducing redundant test effort by focusing on impacted areas.

Wipro Limited | Test Engineer

Sep 2020 – Mar 2024

Client: LinkedIn — Oracle EBS, Microsoft Dynamics, Salesforce

- ▶ Delivered QA support for Quote-to-Cash and billing workflows — designing and executing functional, interface, regression, and UAT test cycles.
- ▶ Created and maintained Requirements Traceability Matrix (RTM), test cases, and test scripts — ensuring full requirement coverage across release cycles.
- ▶ Worked across Oracle EBS, Microsoft Dynamics, and Salesforce — developing cross-platform testing knowledge across major enterprise systems.

CERTIFICATIONS

- ▶ Oracle Financials Cloud 2018 Solution Engineer Specialist — Oracle, December 2020
- ▶ Oracle Cloud Infrastructure 2023 Certified Foundations Associate — Oracle, September 2023
- ▶ The Complete Python Bootcamp — Udemy, November 2023

EDUCATION

Bachelor of Computer Applications (BCA) · Calicut University

May 2020