

Deep Halder

Senior AI SDET / QA

Senior AI SDET with 8 years of experience working at the intersection of **AI and quality engineering**. Leading AGI evaluation at Sentient Labs and experienced in building teams, frameworks, and automation systems from scratch.



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WORK EXPERIENCE

Senior AI SDET

Sentient Labs

07/2025 - Present

Bangalore

AGI startup building autonomous AI agents and decentralized intelligence platforms.

Achievements/Tasks

- Leading AI Quality & Evaluation for AGI-powered agents — built **eval frameworks** for **hallucination detection**, **reasoning** validation, **tool-use** accuracy, and prompt adherence.
- Created **gold datasets & AI regression pipelines**, improving model/prompt release confidence by ~40% and reducing flaky validations by ~30%, covering AI + backend orchestration layers.
- Designed **end-to-end web automation from scratch using Playwright** and integrated AI response validation across workflows. Built **API automation frameworks from scratch using Rest Assured & Postman**
- Tested **agentic + Crypto/Web3** workflows including wallet integrations, transaction validation, and on-chain/off-chain data checks.

Senior SDET - Founding Engineer

Level AI

10/2021 - 07/2025

New Delhi, India

Level AI, a voice AI and conversational-based startup

Achievements/Tasks

- Founding QA hire**; built QA function from **0→1** for a **Conversational & Voice AI** platform — defined automation strategy, release gates, and quality processes.
- Built scalable **UI + API automation frameworks (Selenium, Playwright, Rest Assured)** improving regression coverage by ~70%; created pipeline and integrated into **CI/CD**. **Used BDD** approach.
- Led **Voice & Conversational AI testing** — STT accuracy, intent detection, **entity extraction**, call **summarization**, and agent-assist workflows.
- Established **end-to-end test strategy** across web, API, CRUD operations, performance (**K6, JMeter**), and **backend validation**; mentored **SDETs** and **scaled** automation execution.
- Leveraged **Jenkins**, and **Maven**; implemented **POM**-based frameworks.

SDET-I

Motifworks

09/2020 - 10/2021

Pune

Achievements/Tasks

- Automated 300+ hybrid (web + desktop) test scenarios using **Selenium, Java, C#, and SpecFlow** — cutting regression effort by ~70%. Developed desktop automation via **FlaUI** and extended coverage using **Appium** for mobile workflows.

QA Automation Engineer

Atos

06/2018 - 08/2020

Pune

Achievements/Tasks

- Automated **Banking** web apps using **Selenium**, Protractor (TypeScript), and Cucumber; developed BDD regression suites integrated with CI pipelines.

SKILLS

Automation Testing

Playwright

Selenium WebDriver

Postman

Rest Assured

API Testing

End-to-End Automation

Python

CRUD Validation

SQL

LLM Evaluation

Prompt Validation

Agentic Workflow

AI Validation

Voice AI Testing

Intent Recognition

Entity Extraction

Hallucination Detection

K6 / JMeter

Grafana

Cucumber

Web3 Testing

Wallet Integrations

Load Testing

GCP/ AWS / Azure

Framework Design

White & Black Box Testing

POM, BDD, TDD

Jenkins, CI/CD

EDUCATION

B.Tech in Computer Science and Engineering

Visvesvaraya Technological University

2014 - 2018

Bangalore

LANGUAGES

English, Hindi

Full Professional Proficiency

INTERESTS

Agentic AI & AGI Systems

Voice AI

Personal Finance & Investing

Web3 & Crypto

Technology Trends

Fitness and Health