

SOHAM SUR

Software Development Engineer in Test (SDET) | Quality Engineering, Automation & Test Strategy
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PROFESSIONAL SUMMARY

Results-driven **SDET** with **5.8+ years** of experience architecting **test automation frameworks** and **quality engineering solutions** across **consulting, public sector (GPS)**, and **enterprise product** domains. Demonstrated expertise in **Python, Java, C#, and SQL** with hands-on command of **Selenium, pytest, NUnit, TestNG, REST API testing, BDD/TDD, and Springboot** microservice development. Proven track record of designing **CI/CD-integrated automation** on **Jenkins** and **Azure DevOps** that cut regression cycles, eliminated manual reporting effort, and accelerated release readiness. Pursuing an **MBA at BITS Pilani (Work Integrated)** alongside an active SDET career — uniquely positioned to bridge technical quality engineering with **delivery leadership, stakeholder reporting** and **KPI ownership**. Recognised by customers and leadership for on-time delivery.

SELECTED ACHIEVEMENTS

- **Architected** an ALM results-publishing utility at Deloitte that eliminated ~6+ hours of manual sprint-reporting effort per release and strengthened end-to-end test traceability across GPS engagement.
- **Delivered** a Python/pytest + Jenkins CI/CD automation framework enabling parallel execution and automated nightly regression — measurably accelerating release cycles for high-priority Deloitte clients.
- **Spearheaded** test strategy, sprint planning, and KPI reporting at Cognizant as Programmer Analyst — owning work allocation and stakeholder reporting across enterprise releases.
- **Engineered** an end-to-end C#/NUnit API automation framework integrated with Azure DevOps Pipelines that significantly reduced regression cycle time and standardised API quality coverage.

CORE COMPETENCIES

Languages & Frameworks	Python, Java, C#, SQL, Springboot, .NET, pytest, NUnit, TestNG, Selenium WebDriver, REST Assured, Maven
Test Automation & Quality	UI Automation, API Automation, BDD/TDD, Cucumber, Page Object Model, Data-Driven Testing, Extent Reports, Test Strategy
API, Performance & Dev	REST API Testing, Postman, HTTP Client, JMeter, API Development (Springboot), Mocking, Functional & Regression Testing
CI/CD, Cloud & Data	Jenkins, Azure DevOps Pipelines, Azure Functions, Git/GitHub, Microsoft Azure, Oracle Cloud, MySQL, SQL Server, T-SQL
Delivery & Leadership	ALM (Quality Center), Jira, Confluence, Sprint Planning, KPI Reporting, Stakeholder Reporting, Mentoring, Onboarding, Agile/Scrum
AI & Productivity	GitHub Copilot, ChatGPT, AI-Assisted Test Generation, Prompt Engineering, Power BI, Microsoft Excel

PROFESSIONAL EXPERIENCE

Consultant — Deloitte Consulting India Pvt. Ltd. (USI) — Hyderabad, India

Jul 2024 – Present

Engineering as a Service | GPS, AI & Engineering

- **Architected** end-to-end Python/pytest automation frameworks integrated with Jenkins CI/CD — enabling continuous regression coverage, parallel execution, and automated nightly runs across multiple GPS client engagements.
- **Engineered** a custom ALM results-publishing utility that programmatically pushed execution outcomes, attachments, and defect linkages — eliminating ~6+ hours of manual reporting effort per sprint and strengthening audit-grade traceability.
- **Developed** lightweight Springboot REST APIs and microservices to support delivery workflows, on-demand test data provisioning, and downstream consumer needs — unblocking parallel test execution streams across squads.
- **Designed** reusable SQL-based validation utilities to assert record-level data integrity across upstream and downstream systems — significantly cutting manual verification effort during regression cycles.
- **Leveraged** GitHub Copilot and ChatGPT throughout the SDLC for AI-assisted test scaffolding, edge case generation, and rapid framework prototyping — accelerating delivery of high-coverage test suites.
- **Partnered** with developers, business analysts, and project managers to plan, execute, and report on releases using Jira, ALM, and SQL-based validation; contributed to sprint ceremonies and release readiness reviews.

Programmer Analyst

Jan 2023 – Jul 2024

- **Spearheaded** test strategy, sprint planning, and effort estimation for enterprise releases — allocating work, monitoring daily progress, and reporting monthly KPIs to onshore stakeholders to sustain delivery velocity.
- **Built** Azure Functions-based serverless utilities and automation accelerators that eliminated repetitive manual testing tasks — measurably reducing team-wide regression effort and freeing engineers for higher-value work.
- **Mentored** junior engineers and new joiners on automation best practices, framework usage, and clean code principles; drove stand-ups, retrospectives, and backlog refinement to improve sprint predictability.
- **Championed** quality engineering as the stakeholder point-of-contact — communicating defect trends, release risks, and quality dashboards to leadership and contributing to go/no-go release decisions.

Programmer

Nov 2021 – Dec 2022

- **Engineered** an end-to-end API test automation framework in C#/NUnit integrated with Azure DevOps Pipelines — implementing reusable HTTP client wrappers, data-driven patterns, and automated PR gates that significantly reduced regression cycle time.
- **Implemented** robust request/response validation layers covering authentication flows, schema validation, status-code assertions, and negative scenarios — improving API quality coverage and catching defects earlier.
- **Authored** detailed process documentation, framework usage guides, and onboarding material — accelerating new-hire ramp-up and standardising automation practices across the team.
- **Collaborated** with developers on shift-left testing initiatives — reviewing API contracts, contributing to design discussions, and embedding test automation into the build pipeline from day one.

Programmer Trainee

Nov 2020 – Oct 2021

- **Built** UI test automation scripts using Selenium WebDriver, Java, TestNG, BDD (Cucumber), and Maven; integrated execution with Jenkins for automated nightly regression and Extent Reports for stakeholder dashboards.
- **Implemented** Page Object Model framework components and reusable utility libraries — improving script maintainability, reducing duplication, and enabling rapid onboarding of new test scenarios.
- **Executed** functional and regression test cases across web applications; logged, triaged, and tracked defects through resolution in Jira while contributing to root-cause analysis with development teams.

Tron Associate — Amazon Development Center — Hyderabad, India

Oct 2020

- **Annotated** high-quality training samples used to improve the accuracy and recall of production machine-learning models, applying strict labelling guidelines to support model retraining cycles.

EDUCATION**Master of Business Administration (MBA) — Work Integrated, In Progress**

2025 – 2027

Birla Institute of Technology and Science (BITS), Pilani

Master of Computer Applications (MCA)

Jun 2021 – May 2023

Narula Institute of Technology, Kolkata | DGPA: 8.44 / 10

Bachelor of Computer Applications (BCA)

Jun 2017 – Jul 2020

Institute of Engineering and Management (IEM), Kolkata | DGPA: 7.86 / 10

CERTIFICATIONS

Microsoft: Azure Developer Associate (AZ-204) · Azure AI Fundamentals (AI-900)

Oracle: Oracle Cloud Infrastructure 2025 AI Foundations Associate (1Z0-1122-25)

Quality Engineering: ISTQB Foundation Level (Indian Testing Board) · CP-SAT Foundation (Agile Testing Alliance)

Professional Development: Enterprise Design Thinking Practitioner (IBM) · McKinsey.org Forward Program

ADDITIONAL

Languages: English, Hindi, Bengali | Recognition: **Deloitte Applause Award(x2)** for playing a critical role in successful release delivery and demonstrating a continuous-enhancement mindset · **Cognizant Cheers Award(x3)** for mentoring and team contribution across engagements.