

# Kirti Ranjan Satapathy

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Senior SDET | Test & AI Innovation

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## Core Competencies

- Core QA Skills: Playwright, Selenium, Cypress, Appium, WinAppDriver, Postman, k6
- Programming: TypeScript, JavaScript, Java, C#, Python, SQL
- DevOps & Cloud: Azure CI/CD, Docker, Kubernetes
- AI/ML & Emerging Tech: RAG, LangChain, LangFlow, MCP, Copilot, Evals Framework, Secure-Hulk
- Other Skills: PowerBI, Blockchain, UiPath, VB Script, AutoIT
- Domain Expertise: IIoT, Digital Twin, Finance/Investment, Airlines

## Career Summary

- 10+ years of QA Automation experience with 2 years in team leadership.
- Developed 3+ automation frameworks from scratch across enterprise projects.
- Hands-on expertise in CI/CD setup with Azure DevOps, Docker, and Kubernetes.
- Innovated AI-powered QA tools including an MCP server for API testing.
- Strong client engagement, requirement analysis, and Agile delivery experience.
- Recognized multiple times for excellence including 'Outstanding Performer of the Year'.

## Work Experience

### Kongsberg Digital, Bengaluru (Nov 2021 – Present)

- Developed automation framework, using Playwright & TypeScript, from scratch for Kognitwin and IoT Edge Platform reducing regression testing time by 75%.
- Automated testing of Docker & Kubernetes based applications on Linux OS based IoT device.
- Mentored existing QA engineers in new Automation framework adoption.
- Implemented Azure DevOps CI/CD pipelines improving release cycles by 25%.
- Acted as Scrum Master and handled Agile process & ceremonies.
- Developed RAG model based AI assistant in company hackathon.
- Developed AI-based MCP server for intelligent API/Load testing, reducing API/Load testing cycle from hours to few minutes with only API documents and plain English commands.

## Mindtree Ltd, Bengaluru (Mar 2015 – Nov 2021)

- Developed automation framework from scratch using Selenium & Java for Southwest Airlines and enhanced existing frameworks across multiple projects.
- Enhanced an existing automation framework using Selenium & C# for Aberdeen Investments client.
- Performed functional, API, regression, and integration testing across projects.
- Led a team of 15 members (Functional & Automation testers) efficiently for 1.5 years.
- Part of Test Automation CoE, driving best practices and mentoring new engineers.
- Designed Account level live project status reporting dashboard using Microsoft PowerBI.
- Active in client interactions, requirement gathering & regular status reporting.
- Coordinated with stakeholders to align QA strategy with business goals.

## Certifications

- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Advanced Playwright – Test Automation University
- Cypress with TypeScript – Test Automation University
- Performance Testing with k6 – Udemy
- Model Context Protocol (Intro + Advanced) – Anthropic
- Certified Blockchain Developer & Expert – Blockchain Council

## Career Achievements & Community

- Speaker at AgilityToday 2023 & ATAGTR 2023 conferences and The Test Tribe Meetups.
- Submitted conference abstract for ATAGTR 2025.
- Member of BrowserStack Champions Community and other QA forums.
- Presented sessions in Learning Club at Kongsberg Digital.
- Received Spotlight Award for excellent delivery at Kongsberg.
- Awarded 'Outstanding Performer of the Year' 4 times consecutively at Mindtree.
- Received recognition as part of Mindtree Pillar's club (Top 5% employees).

## Education

- Bachelor of Technology, Biju Patnaik University of Technology, Odisha (2010-2014) - CGPA: 8.05
- 10<sup>th</sup> & 12<sup>th</sup>, Jawahar Navodaya Vidyalaya, Kendrapara, Odisha (2008, 2010)