

TAPASH SUTRADHAR

Software Development Engineer (Full Stack) | SDET / QA Engineer

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Kolkata, India · Open to Relocate

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer and SDET with 2+ years of industry experience delivering scalable SaaS platforms, enterprise grade test automation and data intelligence solutions in Asset Management, Banking/Finance domain. Proven ability to build hybrid automation frameworks, RESTful APIs and BI dashboards consistently improving quality, speed and reliability. Experienced across Web, Android and iOS platforms in Agile/Scrum environments.

CORE COMPETENCIES

Software Development

Full-Stack (MERN · .NET · FastAPI) · Java / Python / JS / C# · RESTful APIs · HTML/CSS · SQL & NoSQL · SaaS Architecture · Maps API

Test Automation & QA

Playwright · Selenium · Appium · Postman · SDLC / STLC · CI/CD (GitHub Actions) · Jira · Agile / Scrum · Test Case & Scenarios

Tools

Visual Studio, MySQL, MS SQL Server, Power BI, Jira, Git, AI tools

Data & Business Intelligence

Power BI · Tableau · Excel · ETL / ELT · DBT · ARIMA · A/B Testing · Python (Pandas / NumPy) · Excel VBA · BDD

Testing Types

Functional · Regression · UAT · Smoke / Sanity · Black-Box · API Validation · Cross-Platform (Web / Android / iOS)

Concept

Operating System · DBMS · OOPs · DSA · System Design

PROFESSIONAL EXPERIENCE

Junior Software Engineer · Seap Infotech, Kolkata, India (Aakavs Consulting Inc., USA)

Oct 2025 – Present

- Independently designed and deployed core modules for a scalable SaaS Asset Management platform using C#, .NET, and SQL Server.
- Built a Playwright, Java hybrid automation framework from scratch reduced manual regression testing time by 60%.
- Executed end-to-end API validation (Postman) and cross-platform mobile testing (Android/iOS), expanding test coverage by 40%.
- Developed RESTful APIs and integrated Google Maps API for real-time geospatial asset tracking and visualisation.
- Led Functional, UAT and Smoke testing cycles; managed full defect lifecycle in Jira zero defect leakage to production.

Data Analyst · WBSETCL, Kolkata, India

Jun 2024 – Aug 2025

- Developed electricity demand forecasting models improving grid supply-demand accuracy for state-level power infrastructure.
- Automated data cleaning and transformation pipelines using Python and SQL, improving data reliability by 30%.
- Designed interactive Power BI dashboards for real-time grid monitoring, reducing manual reporting effort by 15+ hours/week.

Data & Business Analyst Intern · InnoByte Services (Remote)

Feb 2024 – May 2024

- Automated Tableau dashboards using Python and SQL, converting raw business metrics into actionable insights, improving reporting efficiency by 25%.

Software Development Intern · Zidio Development (Remote)

Nov 2023 – Jan 2024

- Built MERN stack features with RESTful APIs and integrated unit tests, achieving 95% code reliability across core application modules.

KEY PROJECTS

Project Management SaaS Platform

MERN + FastAPI architecture with optimised SQL indexing, AI/ML Integration — improved system throughput by 35%. Integrated geospatial tracking via Google Maps API.

Enterprise Automation Framework

Playwright + Java + GitHub Actions CI/CD pipeline — 60% reduction in manual testing overhead across web and mobile platforms.

E-Commerce Big Data & Forecasting

ETL pipeline for 10M+ records using SQL and ARIMA models — 85% forecasting accuracy with automated KPI reporting via Power BI.

Airport Analytics System

ML-based demand forecasting system improving prediction accuracy by 25% for operational planning and resource allocation.

EDUCATION & CERTIFICATIONS

B.Tech – Electrical Engineering

Bengal Institute of Technology & Management (BITM)
Kolkata, India · Graduated July 2023 · GPA: 9.17 / 10

Certifications & Courses

Full Stack Software Development · Google Advanced Data Analytics
Machine Learning – DeepLearning.ai · Business Analysis & Data Science - IBM
Software Testing: QA Fundamentals to Expert · IIBA - ECBA/CBAP PBA (Udemy)

ADDITIONAL INFORMATION

Nationality: Indian ·

Languages: English (Professional/C2) · Hindi (Fluent) · Bengali (Native) · German (A2)

Location: Kolkata, India · Open to relocate immediate globally

Availability: Immediate to 4 week notice · Preferred : **On-site / Remote / Hybrid**