SUPRIYA J K

Software Quality Engineer | Test Planning, Automation (Selenium/Playwright) & Root-Cause Analysis
Udupi, Karnataka | +91 8660749672 | supriya2002kadekar@gmail.com

PROFESSIONAL SUMMARY

Quality Engineer with ~2 years of experience creating test cases, test plans, and strategy from product requirements, and executing functional, regression, and integration testing across Web and API applications. Automates coverage in Python, Selenium, and Playwright, and has a track record of root-cause failure analysis to restore pipeline health. Collaborates daily with developers, product managers, and fellow QE engineers across a large-scale platform refactor, favoring lightweight, efficient processes throughout the development lifecycle.

KEY SKILLS MATCHING ROLE REQUIREMENTS

- Test Design & Strategy: Creating test cases, test plans, and test approach documents from product requirements and technical designs, covering positive, negative, and edge-case scenarios
- Test Execution: Functional, end-to-end, regression, and integration testing across Web and API applications
- Test Automation: Selenium WebDriver, Playwright, BDD/SpecFlow, API automation with Postman/RestSharp, CI/CD integration
- Programming: Python, C#, SQL, JavaScript — used for test scripting, data validation, and automation frameworks
- Root-Cause Analysis: Distinguishing script vs. data issues on failing automation runs, resolving them, and restoring pipeline/CI health
- Collaboration: Working daily with developers, product teams, and QE peers across 6+ concurrent projects on a large-scale platform refactor

PROFESSIONAL EXPERIENCE

Associate Quality Engineer | Fidelity National Financial (FNF) India *Aug 2024 – Present*

- Quality engineer concurrently supporting 6+ projects across a large-scale platform refactor (TitleWave), testing Web and API features across rate management, configuration, and admin modules.
- Create test cases, test plans, and test approach documents in Azure DevOps based on product requirements and technical designs, covering positive, negative, and edge-case scenarios.
- Execute functional, regression, and integration testing on Web and API applications, and perform root-cause failure analysis on automation runs — distinguishing script vs. data issues, resolving them, and restoring pipeline health.
- Built and executed API test suites using Postman and RestSharp to validate REST endpoints and data contracts, working directly with JSON payloads and HTTP methods.
- Designed automated test pipelines using Selenium WebDriver, Playwright, and BDD/SpecFlow, integrated into CI/CD, cutting manual testing effort by 40%.
- Collaborate daily with developers and product teams; led data migration testing using Python and SQL — extracting and comparing migrated datasets against source records to validate record counts and data integrity.

Data Science Apprentice | Bix Bytes Solution Pvt Ltd (AIOTRIX) *May 2024 – Jul 2024*

- Designed ETL workflows using MongoDB and JSON, and scraped large-scale datasets with Beautiful Soup and Scrapy for downstream analysis.
- Built interactive Power BI dashboards to visualize KPIs, business trends, and operational metrics for stakeholders.
- Developed regression and classification models in Python for predictive analytics, improving forecast accuracy.

Data Science Intern | Zephyr Technologies & Solutions Pvt Ltd *Aug 2023 – Sep 2023*

- Applied data cleaning, feature engineering, and EDA on real-world datasets; built mini projects using linear regression and decision trees (Scikit-learn).

PROJECTS

Airline Customer Satisfaction & Price Prediction | Python, Scikit-learn, Pandas

- Built a predictive pipeline using decision tree and linear regression models to forecast satisfaction scores and flight prices; evaluated via cross-validation (RMSE, F1, accuracy).

EDUCATION

B.E. in Computer Science & Engineering — Shri Madhwa Vadiraja Institute of Tech. & Mgmt., Bantakal | Oct 2020 – May 2024 | CGPA: 6.9/10

Pre-University (PCMC), Mahesh PU College, Udupi — Mar 2020 | 74%

CERTIFICATIONS & CONTINUOUS LEARNING

- Coursera: Generative AI (in progress), Data Analytics (in progress)
- Upskilling in Java-based test automation, cloud platforms (AWS/Azure), and containerized testing environments