Ezra Piyachanokwong

QA Engineer
Bangkok, Thailand
Email: ezrapiya.th@gmail.com | Phone: 091-009-9427
Website: https://with-ezra.com
Nationality: Thai

Professional Summary

Results-driven QA Engineer with hands-on experience in web and API automation testing using Playwright and Postman. Proven ability to develop and execute automated test frameworks, validate backend data with SQL, and integrate testing into CI/CD pipelines using GitHub Actions.

Recently explored AI-assisted testing by integrating LLMs (Gemini) with n8n and Agentic RAG (Retrieval-Augmented Generation with AI) using PostgreSQL as a vector database to automate test data generation from unstructured files. Adept at creating scalable and reusable test scenarios, collaborating with development teams, and ensuring high-quality software delivery in fast-paced environments.

Skills

- **Test Automation:** Playwright (UI & API), Postman, Newman
- **Programming Languages:** JavaScript, TypeScript (basic)
- **Test Frameworks:** Playwright
- **CI/CD Tools:** GitHub Actions, Postman Collection Runner
- **Database:** PostgreSQL, SQL (data validation & integrity), Vector DB (RAG)
- **AI/LLM Integration:** n8n, Gemini LLM, and Agentic RAG (Retrieval-Augmented Generation with AI)
- **Bug Tracking & Project Management:** Jira, ClickUp
- **Testing Techniques:** Manual Testing, Black-box Testing, Regression Testing, E2E Testing, Functional Testing
- **Other Tools:** Git, VSCode

Professional Experience

QA Engineer

YIM Platform | Mar 2024 – Present

- Designed and executed comprehensive test scenarios for web and API features.
- Implemented automated API testing using Postman and integrated with GitHub Actions for scheduled CI pipelines.

- Conducted E2E testing with Playwright for UI workflows, improving coverage and reducing manual effort.
- Performed database validation using PostgreSQL to ensure backend data accuracy.
- Built a test data generation tool using n8n, Gemini LLM, and RAG to process inputs from PDF, Excel, CSV, and TXT.
- Collaborated with cross-functional teams to triage and resolve defects using Jira.

QA Engineer

Principal Healthcare | Feb 2023 – Mar 2024

- Designed and executed comprehensive test plans and test cases to ensure the quality and accuracy of data across multiple systems and databases.
- Utilized SQL queries to validate multi-system data consistency.
- Integrated test execution with QA reporting workflows and tracked defects through Jira.
- Worked closely with development teams to communicate test results, provide feedback, and assist in resolving issues.

QA Engineer & Junior Developer

Chococard Enterprise | Jun 2022 – Feb 2023

- Conducted Black-box, GUI, Functional, and Regression testing for web applications.
- Created detailed manual test plans and executed both frontend and backend tests.
- Logged issues and supported root cause analysis in collaboration with developers.

Projects

AI-Powered Test Data Generation with LLM (Gemini) + n8n + Agentic RAG

- Designed a test data generation workflow using n8n and Gemini LLM.
- Implemented RAG with PostgreSQL as a vector database to ingest and query PDF, Excel, CSV, and TXT files.
- Applied the solution to automate and enrich API test datasets for QA processes.

API Test Automation Pipeline (Postman + GitHub Actions)

- Built an automated API testing setup using Postman Collections, Newman CLI, and GitHub Actions.
- Scheduled nightly runs to validate API health and regression scenarios.

Pytest Framework (Personal Project)

- Designed a reusable API test framework using Python and Pytest.
- Focused on code modularity, maintainability, and reporting.
- GitHub: github.com/ezra31448/PyTestify

Education

Bachelor of Science (B.Sc.), Digital Technology for Design

Silpakorn University | Graduated: 2018

Languages

- Thai (Native)
- English (read/write)