

Jayson Panganiban

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SUMMARY PROFILE

Results-focused Automation Engineer with 10+ years of delivering scalable test automation and performance testing solutions across banking, insurance, fintech, crypto, travel, startups and retail sectors. Adept at building tailored test frameworks, performance engineering and CI/CD pipelines. Passionate about innovation, AI-driven solutions, and driving quality outcomes through collaborative client partnerships.

SKILLS

Test Automation

Playwright
Selenium
Cypress
Puppeteer
Cucumber
Robot Framework
Behave
SpecFlow
Gauge IO
WebdriverIO
PyTest
Tosca
HP ALM

Performance Testing

LocustIO
K6
JMeter
Gremlin (chaos testing)

Coding

Python
JavaScript
TypeScript
Ruby

Development:

FastAPI
ExpressJS
ReactJS
NextJS
TailwindCSS
Jinja2

EXPERIENCE

Senior Consultant – Test Analyst

Datacom | Oct 2022 – Present

As a Test Automation Consultant deployed at a leading insurance client, my responsibilities include:

- Develop and maintain test automation solutions for insurance applications, including policy management, claims processing, and underwriting systems.
- Perform automated document validation across email, print, fax and SMS channels, conducting PDF text and pixel-level verification, ensuring 100% accuracy and regulatory compliance.
- Utilise Ruby-based Behaviour-Driven Development (BDD) frameworks (BDD) form scalable and maintainable test integration into CI/CD pipelines.
- Collaborate closely with cross-functional teams (developer, BA, QAs) to embed automation, reducing manual test efforts by 60% per release cycle.
- Build custom tools, utilities, and scripts to optimise text execution, significantly enhancing efficiency and quality assurance process.

Software Engineer in Automation

Planit Testing | Mar 2020 – Sep 2022

As a Test Automation Consultant embedded within a major bank, my responsibilities included:

- Developed and maintained robust automated test frameworks for banking payment systems using Playwright, and Tosca.
- Designed comprehensive automated tests covering API transaction flows, backend integrations, and critical payment processing functionalities.

HTMX
PostgreSQL
MongoDB
SQLite3

Dev Tools

Git
Jenkins
Docker
Unix
AWS

AI & LLM

RAG Assistant
Prompt Engineering
GPT API Integration
OpenAI Embeddings
Semantic Search
Vector Database

Testing Tools

Postman
SoapUI
Chrome DevTools
HP ALM
JIRA

Data Formats

JSON
XML
YAML
Markdown

Others:

Web Scraping
CI/CD

Certifications:

ISTQB CFTL
Automation Specialist
Test Design Specialist

Education:

Bachelor of Science in
Computer Engineering
*Lyceum of the Philippines
University*

- Led chaos testing initiatives with Gremlin, uncovering and mitigating key vulnerabilities, improving system reliability by 30%.
- Performed accessibility testing ensuring banking application met WCAG 2.1 compliance, enhancing usability for thousands of end-users.
- Integrated automated tests into CI/CD pipelines, reducing deployment timelines by approximately 25%.
- Provided mentorship to junior engineers on automation best practices, significantly improving team proficiency.

Principal Test Engineer

BNC Digi | *Apr 2019 – Mar 2020*

- Implemented end-to-end automation and performance testing framework for crypto service platforms, including trading solutions.
- Executed performance tests with Locust IO and K6, leveraging Docker and AWS infrastructure to validate scalability and responsiveness, optimizing system performance by over 50%.
- Developed comprehensive Python-based automation solutions using BDD methodologies, achieving enhanced test coverage and defect leakage.
- Coordinated directly with architects and leads to drive continuous improvements and maintain quality standards across projects.
- Conducted training sessions, enabling QA teams to adopt advanced methodologies and tools effectively.

Test Architect

Carlson Wagonlit Travel (CWT) | *Jun 2015 – May 2019*

- Developed and implemented robust test automation frameworks supporting corporate travel management systems, ensuring comprehensive functionality coverage.
- Led performance testing strategies across multiple projects, employing advanced tools and methodologies to enhance system reliability and responsiveness.
- Authored test scripts for backend and frontend applications, significantly reducing manual testing effort.
- Conducted regular code reviews and feedback, ensuring adherence to coding standards and best practices.
- Delivered targeted training and workshops, increasing team competency in automation tools and techniques.
- Created and presented automation proof-of-concepts (POCs), successfully advocating new testing technologies and methodologies.

Quality Engineer

Finastra (Formerly Misys) | Jul 2011 – Apr 2015

- Developed automated test suites using Selenium WebDriver and Java for payments and messaging systems, enhancing system coverage and stability.
- Built and maintained Robot Framework-based test solutions
- Mentored QA members, significantly raising overall team capabilities and automation proficiency.
- Collaborated closely with development teams to rapidly resolve defects, reducing issue turnaround time by approximately 35%.

Software Engineer

Accenture | Apr 2010 – Jul 2011

- Created and executed automated and manual test cases, ensuring comprehensive application quality and reliability.
- Collaborated with cross-functional teams, streamlining defect resolution and improving product stability.
- Conducted code reviews, ensuring adherence to standards, reducing defect injection rates.

PROJECTS & PORTFOLIO

www.jaysonpanganiban.com

FAQ Mate - AI Powered Aussie Car Insurance Chatbot

<https://huggingface.co/spaces/jaysoncp/FAQ-Mate>

- Technologies: Python, FastAPI, Embeddings, Gradio, Docker
- Developed a Retrieval-Augmented Generation (RAG). Utilized OpenAI embeddings for semantic search and integrated a Gradio interface for user interaction for demo

Half Price Grocery – Full-Stack Retail Deals App

<http://www.halfpricegrocery.com/>

- Technologies: ReactJS, ExpressJS, MongoDB, Playwright
- Built a full-stack application displaying half-price specials from major retailers.

Philippine Zip Code Search

www.phzipcodes.com

Technologies: Python FastAPI, TypeScript, NextJS, Playwright

Rest in Pytest – API Testing DSL

<https://github.com/jayson-panganiban/rest-in-pytest>

Technologies: Python, Pytest, HTTPX

Rephrase CLI – Text Rewriting Tool

<https://github.com/jayson-panganiban/rephrase>

Technologies: Python, OpenAI API

