

Sijan Dev

Software QA Engineer

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👤 Profile

Driven QA Engineer with a computer engineering background, passionate about ensuring top-tier software quality through rigorous testing and sharp attention to detail. Committed to identifying potential issues early, contributing to seamless and reliable user experiences.

💼 Professional Experience

Spiralogics, Inc.

02/2024 - present

Software QA Engineer ↗

Client-1: Verified X12 Format Medical Claims EDI Parser

- Tested the X12 format medical claims EDI parser to ensure accurate parsing and processing of claims.
- Verified the generation of 999 acknowledgment files, confirming correct acknowledgment of processed claims.

Client-2: Verified Caseworks Web Application

- Conducted thorough testing of a case management web application to ensure functionality and reliability.
- Developed and executed automation scripts to enhance testing efficiency and coverage for the application.
- Utilized REST-assured for API testing and automated API tests using Jenkins for continuous integration.

QA Research and Development

- Explored and implemented performance testing tools such as JMeter and k6.
- Currently exploring and evaluating fine-tuned large language models (LLMs) for Question Answering tasks.

🎓 Education

Bachelor's in Computer Engineering

2019 - 2024

Tribhuvan University ↗

Relevant Courseworks: Object Oriented Programming, DSA, Software Engineering, DBMS, AI, Project Management

High School (Computer Science)

2017 - 2019

Everest Secondary School ↗

Certifications

Postman API Testing 	01/2024
<i>Test Automation University</i>	
Cypress & Advanced Cypress 	12/2023
<i>Test Automation University</i>	
Introduction to Software Testing 	07/2023
<i>University of Minnesota</i>	

Projects

DetectAI 	<i>A state-of-the-art platform that detects AI-generated text & deepfake images.</i>
- Technologies Used:	Python(Django), React, TensorFlow, OpenCV
- My Contribution:	Trained a DenseNet-121 model for deepfake image detection and implemented an ensemble model combining Gradient Boosting, Random Forest, Logistic Regression, and Multilayer Perceptron for AI-generated text detection.
VisioAlgo 	<i>An algorithm visualizer.</i>
- Technologies Used:	Python, Pygame, Tkinter
- My Contribution:	Created visualizations for Dijkstra's and A* algorithms, enhancing understanding of their processes and efficiency.

Skills

Programming	Testing
C, C++, Java	Manual & Automation Testing, API Testing, Performance Testing
Tools	Soft Skills
Selenium, Postman, REST-Assured, JMeter, K6, Git/Github, Jenkins, Azure DevOps	Problem Solving, Collaboration, Communication