

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 Field Case Management Web Application

- Conducted thorough testing of a field case management web application to ensure functionality and reliability.
- Developed and executed automation scripts to enhance testing efficiency and coverage for the application.

QA Research and Development

- Contributed to improving QA processes by researching and evaluating various technologies.
- Explored and implemented performance testing tools such as JMeter and k6.
- Utilized REST-assured for API testing and automated API tests using Jenkins for continuous integration.

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

A state-of-the-art platform that detects AI-generated text & deepfake images.

- **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 enhanced performance.

VisioAlgo

An algorithm visualizer.

- **Technologies Used:** Python, Pygame, Tkinter
- **My Contribution:** Created visualizations for Dijkstra's and A* algorithms, enhancing understanding of their processes and efficiency.

Skills

Programming

C, C++, Python, Java, SQL

Tools

Selenium, Postman, REST-Assured, JMeter, K6,
Git/Github, Jenkins, Azure DevOps

Testing

Manual & Automation Testing, API Testing,
Performance Testing

Soft Skills

Problem Solving, Collaboration, Communication