

Mayur Odedara

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Summary

Senior Software Engineer (Python & Automation) with 6+ years of experience in data processing, automation, and scalable software solutions. Expertise in Python, C++, SQL, and cloud technologies, with a strong background in financial data pipelines, API development, and performance optimization. Passionate about solving complex technical challenges, enhancing system efficiency, and driving innovation in software development

Skills

Programming Languages: Python, C++, SQL (PostgreSQL), Shell Scripting

Web Frameworks: Django, Flask, FastAPI, RESTful APIs

Data Processing & Analytics: Pandas, NumPy, Matplotlib, ETL Pipelines

Testing & Automation: Selenium, Postman, Pytest, Unittest

Cloud & DevOps: Microsoft Azure, Docker, Kubernetes, Git, CI/CD (GitHub Actions, GitLab CI/CD)

Database Management: PostgreSQL, MySQL, MongoDB, Redis

Experience

Senior Software Engineer (Python & Data Processing) – **Accenture** – Pune, IN Dec 2021 – Present

- Developed and optimized financial data pipelines for processing large-scale datasets, ensuring data accuracy and reducing processing time by 15%
- Implemented automation workflows for data processing tasks, reducing manual effort by 30% and cutting processing time from 5 hours to 2 hours per cycle
- Refactored Python applications using internal financial APIs, improving market data retrieval and processing efficiency by 20%
- Collaborated with cross-functional teams (Risk, Operations, Compliance) to develop solutions for regulatory reporting and business intelligence
- Conducted code reviews, implemented testing strategies, and improved code quality, reducing production issues by 10%

Software Automation Engineer (QA & Test Automation) – **Cybage Software** – Pune, IN Jul. 2018 – Dec 2021

- Designed and implemented a database verification utility for Sitefinity CMS, improving data validation efficiency by 35%
- Automated API testing using Postman and Selenium, leading to a 50% reduction in manual testing efforts.
- Documented test procedures, leading to a 40% reduction in production issues and a 35% increase in site traffic
- Monitored and optimized website performance across 7 sites, ensuring functionality and reporting key metrics resulting in 19% customer growth

Projects

TextToSpotify – Python, Spotify Web API

- Developed an automated playlist generator that reads text files and creates Spotify playlists using the Spotify Web API.
- Eliminated the need for manual playlist creation, enhancing user convenience and efficiency.

Movie Barcode Generator – Python, OpenCV

- Python tool that transforms any video into a unique barcode-like image by analyzing the color distribution throughout the film
- Utilized OpenCV to extract frames, process colors, and produce an aesthetic timeline of movie visuals

Education

B.E. in Computer Science and Engineering

AISSMS College of Engineering – Savitribai Phule Pune University (2014 – 2018)

Extracurricular

- **Winner** of 2023 Python Discord CodeJam (Team: **TheDynamicTypists**)
- **Hobbies:** Participating in CodeJams & GameJams, Chess, Gaming, Reading