PAVAN KUMAR A
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Aspiring for a suitable position with a leading organization, where my knowledge and experience can be enriched and thus enhance the organization's bottom line profitability.

Profile

- Optimistic and passionate individual with **7+ Years of IT Experience in developing and testing python applications**.
- Analytical, motivated **Python developer with over 3+ years of experience** developing, debugging and troubleshooting end-end applications.
- Hands-on-experience in **Django** Development and **postgresql** for 2.1 years.
- Had **basic knowledge on AWS services like EC2, S3 .**
- Had experience working with Agile methodologies.
- Excellent team player and displaying a strong sense of initiative on tasks in hand.
- Strong ability to work individually and with a team in a challenging environment.
- Adept at identifying issues with product design through subjective assessment and comprehensive analysis.
- Had around **4.2 Years of experience testing applications** pertaining to the Railroad domain.
- Experience in various stages in software testing life cycle and performed **Functional, Integration, Regression, System, Smoke** testing.
- Well versed in performing creating **Test Plan, Requirement Traceability Matrices, Test scenarios, Creation** and **Execution of Test Cases.**

Technical Skill Set

Operating System	Windows 7/10, UNIX
Languages Known	Python, Unix shell commands
Databases	PostgreSQL
Front end Technologies	HTML , CSS, Bootstrap
Frameworks	Django
Deployment Tools	Python Anywhere, AWS
Other libraries	Pandas, Plotly, Beautifulsoup
IDE	PyCharm , Vscode
Version Control System	GIT, GITHUB
Tools	HPQC ALM, Putty, Wireshark, Jenkins and WinSCP

Project profile: 4. Python and Django Developer

Concentrix Analyst (Formerly Prokarma Softech Private)   **12/2020 to 12/2022**

Project Description

Union Pacific's internal employee management system(for crews running the train) and appraisal system is the system which tracks all the employee's work hours(and leaves) and provides incentives to the people who contributed to the UP fleet at regular intervals with no safety hazards. This was implemented using Django giving a modern look and rich experience for their employees.

Contribution

- Developed backend modules using Python/ Django Framework .
- Had great understanding on creating templates, views, urls and
- Worked extensively on Search, Login and Logout functionality.
- Slight exposure working with Django crispy forms.
- Actively involved in working with CRUD operations
- Created important business rules that are helpful for the customers..
- Identify and fix bottlenecks that may arise from inefficient code.
- Identify and fix software bugs.

Project profile: 3. Sales Data Analysis and Reporting

Concentrix Analyst (Formerly Prokarma Softech Private)　　　　　**11/2019 to 10/2020**

Project Description

Project aims at pulling out reports from production and identifying the worst revenue areas and best revenue areas(Monthly, Quarterly etc..) and to identify areas that are struggling to reach their break even and to project the pictorial representation to higher officials and make them have the informative decision.

Contribution

- Performed data analysis using Python and Pandas and used Plotly for the pictorial representation.
- Good hands on in identifying effective ways of exploring the available information and converting them to meaningful information.
- Wrote python scripts to alert the managers in case any of the stations had fall in revenues by nearly 30% from previous month and also alerts higher management incase of high staff unavailability.

Project profile: 2. BOS Automation Testing

NTT DATA　　　　　**05/2019 to 10/2019**

Project Description

The project is entirely about **testing the BOS software's functionality solely and to identify hidden issues in BOS** by sending simulating source data using XML and to verify BOS response is as per requirements.

Contribution

- Wrote automation scripts using Python and automated around 120+ scripts covering the requirements mentioned in Back Office Segment(BOS) FSD.
- Configured and maintained Jenkins to implement the CI process and thus paved a way for a smooth execution process.
- Extensively worked with regular expressions, file handling, date classes and few other third party libraries.
- Involved in client status meetings and act as a bridge between offshore and Onshore teams and ensure the deliverables are on time.

Project profile: 1. Positive Train Control Testing

Tech Mahindra   **08/2015 to 05/2019**

Project Description

PTC refers to communication-based/processor-based train control technology that provides a system capable of reliably and functionally preventing train-to-train collisions, over speed derailments, incursions into established work zone limits, and the movement of a train through a main line switch in the improper position. PTC systems vary widely in complexity and sophistication based on the level of automation and functionality they implement, the system architecture used and the wayside system upon which they are based (e.g., non-signaled, block signal, cab signal, etc.)

I-ETMS (Interoperable Electronic Train Management System) is one of the PTC types approved by FRA.

Contribution

- Rigorously worked in **testing the systems at Segment, LINN and LIEE.**
- Very much **involved in MDM testing in the lab** and shared the results with the clients.
- Has **become expert in UP BOS execution**, stabilized its environment and **played a pivotal role in evolving the quality of the product** and guided the team during their execution.
- Provided environment support for the team and ensured smooth execution for them.

Experience

Organization	Designation	Duration
Concentrix Analyst (Prokarma softech private limited)	Senior Software Test Engineer	11/2019 – Till Date
NTT DATA	Software Test Analyst	05/2019 – 10/2019
Tech Mahindra	Software Test Engineer	08/2015 – 05/2019

Education

Education	School/College	Passed out year	CGPA/Percentage
B.Tech(CSE)	RGUKT, RK Valley	2015	7.8
Intermediate/Pre University	RGUKT, RK Valley	2011	8.72
SSC	APSWR school, Kalasamudram	2009	92.5

Achievements

- **Received Individual contributor award from client** for performing stupendously in UPRR-PTC Testing project.

- **Received Best team award from client** for performing stupendously in Current project.
- **Received Pat on Back and Certificate of Excellence** for performing stupendously for the project (UPRR) in Tech Mahindra.
- Stood as **Topper in** Training program conducted at Tech Mahindra.