JEENAL R SUTHAR

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Experienced Python Developer with over 10 years of expertise, a strong focus on developing scalable applications and market data analytics tools. Proficient in designing and implementing robust frameworks and APIs to enhance application performance. Adept at leveraging Python to create efficient, data-driven solutions that meet market demands. Skilled in optimizing and streamlining processes to deliver high-quality products. Proven expertise in both backend development and market data analytics, contributing to successful project outcomes. Strong collaborator with a commitment to staying current on emerging technologies and continuously improving development practices.

KEY COMPETENCIES:

- **Microservices and Event-Driven Frameworks:** Proven expertise in microservice and event-driven architecture, utilizing AMPS, ECS, and Kafka for seamless integration and scalability.
- **Analytical Dashboard and Data Tools:** Demonstrated strengths in the analysis, design, and implementation of analytical dashboards. Proficient in using data manipulation libraries such as NumPy, Pandas, Matplotlib, and frameworks like Flask, Django, and Python-Dash for effective data processing and visualization.
- **Web Services and Architecture:** Highly skilled in Web Services, Object-Relational Mapping (ORM), and RESTful architecture utilizing HTTP methods for efficient communication. Experienced in deploying applications on web servers like APACHE and leveraging Cloud tools such as AWS for production deployment.
- **Collaborative Team Player:** Proven ability to work as part of a small team with a proven ability to work autonomously. Actively engage in code reviews, providing constructive feedback to enhance code quality. Known for exceptional problem-solving skills, keen attention to detail, and a fast-learning curve. Foster open communication and contribute to a culture of continuous improvement, ensuring the team's success.
- **Machine Learning and Deep Learning:** Familiar with Neural Networks, ML, Hyperparameter tuning, Regularization, and Optimization, contributing to a well-rounded skill set.
- **Continuous Learning:** Eager to embrace new technologies and quick to grasp the functionalities of various applications. Demonstrates a proactive approach to learning and staying updated with emerging technologies.

SKILS:

Languages: Shell Scripting, Python
Frameworks: Flask, Plotly, Django
Databases: MS SQL server, MySQL, SANDRA, KDB, MONGO dB
Tools & Utilities: PyCharm , Jupyter, JIRA, Visio, Bitbucket, Anaconda, Trello, Slack, Celery, Jenkins, Swagger
Cloud Services: AWS LAMBDA, S3, REDSHIFT, CLOUD WATCH, ECS, SQS
Others: Microservices, Event Driven Architecture, Kafka, Docker, Kubernetes

WORK EXPERIENCE

Assistant Vice President [Apps Dev Sr. Programmer Analyst – C12]   10/2022 – Present
Citicorp Services India Private Ltd, Commodities   Pune, Maharashtra, India

Developing Market Data Analytics Tools, specializing in Back testing Framework, A framework which is divided into micro services, Data Sourcing, Strategy and Event Generation on Live Data for the optimized Strategy, custom libraries and Scalable Market Data Analytics Application which includes microservice for Different Dashboards and Rest APIs. Additionally, I developed a scalable service to capturing the live streaming data, efficiently storing it in diverse database based on configuration and utility framework to support features that are not available in Tableau.

- Analysis, Enhancement, and Development of framework to test strategy with optimizer on Realtime/historical data using python, microservices, event-based architecture.
- Developed Python Packages for the back testing Framework to source Live/Historical Data from Different channels.
- Extensively used PYTHON API for web services and analytical processing.
- Development of Market Data Analytics Dashboards.
- Developed a scalable live streaming data capture service, integrating sources like Reuters and Bloomberg. Sourcing, Transforming, and recording data into a database based on configuration stored in MongodB. Implemented a dynamic

configuration system with an API for seamless updates, eliminating the need for deployment upon configuration changes.

- Developed Utility Framework to support custom services which are not available in Tableau.

Software Engineer/II A GBS Ind   04/2021 – 09/2022
<u>Bank of America</u>, Reference Data   Gandhinagar, Gujarat, India
Perform data validation to check for integrity and completeness of financial reference data. Provide functionality to retrieve ad-hoc data from database.

- Analysis, Enhancement, and Development of applications using Python in Quartz framework
- Development of Python scripts and modules to download, parse and create delimited data files
- Extensively used PYTHON API for web services and analytical processing
- Extensively wrote scripts using SANDRA for reference data processing
- Developed numerous scripts to generate ad-hoc reports for business and researchers
- Handled production support issues and raised/escalated issues with other development teams

Python/Django Developer   04/2018 – 03/2021
<u>Lintel Technologies Pvt. Ltd,</u> Client Portals   Ahmedabad, Gujarat, India
Various web applications were written to provide on-demand information to clients/customers using external APIs. Web applications were written to provide in-house functionality as a cost-effective solution to subscriptions for sales related information and for user management related functions. Internal data processing tool was created to manage user details. External APIs leveraged: Linn works, eBay, FedEx, UPS, BigCommerce.

- Analysis, Enhancement, and Development of Web applications using Python and Django Web Framework
- Developed frontend applications using AngularJS
- Extensively used data structures like dictionaries, lists, sets, tuples utilizing concepts of OOP
- Analysis, Enhancement, and Development of numerous MySQL based python processes using MySQL connector and MySQL database package for data processing/analysis
- Extensively used web services with RESTful API for frontend and backend development
- Provided capability to integrate with Channel Integration such as eBay, Linnworks, and BigCommerce API
- Utilized hands-on Cloud tools such as AWS and Heroku for data warehouse and testing
- Responsible for debugging and troubleshooting web applications, and managing documentation of code
- Involved in the entire life cycle of the project and ensuring high-availability and scalability of applications
- Handled production support issues and raised/escalated issues with other development teams
- Responsible for ensuring client satisfactory in delivering acceptable levels of standards for products/services

BSS Engineer, Reliance Communication Ltd.   04/2015 – 01/2018
<u>Ericsson India Pvt. Ltd,</u> Telecommunication   Ahmedabad, Gujarat, India
Perform wide range of tasks across network management leveraging real-time information. Constantly monitor for any network issues or changes in the environment and apply appropriate protocols for resolution. Provide on-demand support to various teams and utilize scripts to make modification to processes as needed.

- Worked on Huawei/Lucent Technology
- Scripting for a new site in the database
- Ad hoc sector addition/deletion and E1 addition activity based on variety of circumstances
- Created scripts to block/unblock sector
- Actively monitor for alarm activation and apply proper protocols for restoration
- Maintaining the health of the network by constantly analyzing real-time network traffic data
- Thoroughly engaged in network management including fault management, configuration management, field management, performance management and report management
- Handled support issues and raised/escalated issues with field teams ensuring full resolution

QA Tester   07/2014 – 03/2015

ITCC   Ahmedabad, Gujarat, India

Perform variety of testing across applications and provide output results in the form of a report.

- Analyses, enhancement, and development of PHP websites using PHP-based frameworks
- Planning and conduction of cross-browser usability testing against W3CVerification of fixes.
- Provided production support during development and post-development by troubleshooting/fixing any issues encountered
- Identify potential risks to the assigned area
- Created scripts to test and generate bugs report
- Performed integration testing, functional testing, performance testing, quality assurance, and business analysis.
- Worked closely with development teams, system administrators, network administrator, and business teams

HR/MIS – Managed Services, ZTE/Aircel   01/2011 – 02/2012

Wipro Infotech Pvt Ltd.   Ahmedabad, Gujarat, India

Managing the Gujarat circle's staff, conducting technical interviews, creating network availability and R&R reports, and providing IP Signoff to other operators and vendors

- Spare Management—preparing delivery order, SRN, and R&R for material in the field
- Cab management, manpower management, IP sign-off
- Preparation and validation of outage report for Aircel GSM network
- Maintaining circulation of network availability of Gujarat Circle Vadodara cluster for Aircel GSM network
- Collecting daily progress of BTS/Microwave ATP and circulation of trackers
- Maintaining Manpower details such as coordination of car usage, tools, and equipment distribution
- Coordinating the Manpower of Gujarat Circle during site down escalation
- Preparing daily fault report and PM report on a weekly/monthly basis

Junior Engineer, Rohan Brc Gas Equipment Pvt Ltd   07/2010 – 01/2011

Tata Motor, Maruti Udyog Limited   Ahmedabad, Gujarat, India

Designing a PCB for LTR product used in CNG car for petrol to CNG conversion and running various tests on it to ensure quality by reading parameters.

- Testing of LTR System to perform changeover from petrol to gas for a given vehicle
- Perform Injector Rail Sensors testing
- Program loading of ECU and fault finding of hardware
- Evaluate test progress and provide feedback and support on each issue

EDUCATION

Government Engineering College, Gujarat Technological University, *Patan, Gujarat, India*   July 2009
B.E. in Electronics and Communication