Rishabh Rawat

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PROFESSIONAL SUMMARY :

A dynamic professional having 7+ years of experience as python developer, data engineer and devops engineer currently associated with a multinational bank.
Extensive experience in backend technologies, creating data pipelines and maintaining the infrastructure of the client. Vast experience of backend frameworks like Django, Flask, pyspark.
Expertise in BFSI, Telecommunication domain and IOT development.
Expertise in working on AWS cloud platform.
Extensive experience in Python Django Web framework in implementing MVC architecture and creating Data Pipelines for Big Data Projects.
With hands on experience in developing backend by Django. I have developed back-end (REST API endpoints,database design, ORM implementation) applications.
Transforming huge amount of data using Pyspark for fast processing of data. Hence optimizing the system for better performance.

SKILLS:

Servers and Operating Systems: LINUX, Windows 10,Mac OS.
Languages: Python, HTML,Css, , C\C++, Javascript.
Databases: SQL, SQLite3,MongoDB,Postgresql, Elastic search,Hbase, GraphiteDB..
Frameworks: Django,Flask, Pysaprk.
Cloud:AWS,Azure.
Big Data Tools: Spark,Kafka,,Hive,NIFI,Cloudera Manager.
Version Control: GIT.
Devops Tools: Docker, Kubernetes, Jenkins.Gitlab.
Monitoring tools: Moogsoft, Grafana.

EXPERIENCE:

Credit Suisse, Pune, — *Python Data Developer*

February 2021 - PRESENT

As a part of the Reliability and Enablement team worked on monitoring the internal tools servers and Centralizing the server monitoring for Credit Suisse for cost-reduction. Worked on Django framework for writing scripts for connecting the data source to monitoring tool grafana and Moogsoft. Worked on creating data pipeline using NIFI tool. Wrote python scripts to pull data from data sources. Created CI/CD pipeline using Gitlab.
Worked with many teams offshore, collecting the required information for their monitoring source. Creating Dashboard on Grafana for metrics and alerts for moogsoft. Attended offshore client calls daily for update on the task.

- Worked on Django framework to design platform for server monitoring scripts and API.
- Implemented Kafka cluster on real time data collected from logstash.
- With hands on experience in developing backend by Django. I have developed back-end (REST API endpoints,database design, ORM implementation) applications.
- Developed Python & Shell scripts for automated deployments, self-tests and periodic device
  Monitoring.

- Integrated monitoring tools Moogsoft Grafana with Data servers for metric and alert aggregation.
- Created pyspark jobs to transform huge amount of metric data.
- Worked extensively on AWS platform like Glue, ECR Lambda.
- Ingested data in Data warehouse OSMOSYS for alert aggregation.
- Developed CI/CD Pipelines using Gitlab.
- Wring python scripts to ingest and pull data from data sources.
- Ensured high quality data collection and maintaining the integrity of the data.
- Worked with offshore teams to collect the requirements for monitoring the server.
- Ensured smooth communication between the development team and the client, focusing on a correct   transition of the requirements and specifications.

In2IT Technologies— *Data Engineer*

May 2019 - Feb 2021

Developed and designed the application using Django framework. Parsing a huge amount of data using python to implement machine learning on the data. Worked on elasticsearch nosql database to deal with huge amount of data gathered from NMS. Worked on Microsoft AD, importing the users using Ldap and hence using them for login purpose.Successfully deployed POC and Sandbox Environment and demo to customer. Integrated NIFI to ingest data into Elasticsearch.

- Developed and designed the application using Django framework.
- Developed Network monitoring tool for a telecommunication client.
- Implemented Kafka cluster on real time data collected from logstash.
- Ensured high quality data collection and maintaining the integrity of the data.
- Developed standalone Authentication gateway on Django using Microsoft AD to import users.
- Designed variety of RDBMS according to requirement like MySQL and PostgresSQL.
- Worked on elasticsearch nosql database to deal with huge amount of data gathered from NMS.
- Well versed in design and development of presentation layer for web applications using technologies
- like HTML,CSS,Javascript.
- Parsing a huge amount of data using python to implement machine learning on the data.
- Worked end to end on setting up data pipeline for huge amount of data using big data technologies.
- Successfully deployed POC and Sandbox Environment and demo to customer.
- Integrated streamsets to ingest data into Hadoop.

ConvergentIS— *Python Developer*

March 2017 - May 2019

Responsible for setting up cloud based IOT system. Python scripting on gateway and cloud using Django framework. Managing cache redis DB, kafka and MQTT. Creating synchronous tasks in Celery. Testing and
resolving live site issues.

- Worked on Automated Home System using web application using Django Framework.
- Developed Python & Shell scripts for automated deployments, self-tests and periodic device
- monitoring.
- Enable Technology using (Streamsets, spark and Kafka) to ingest Sensor and IoT Data into Hadoop
- and Run Real time Analytic to predict Failure and plan maintenance.
- Developed data pipelines (ingest/clean/munge/transform) for feature extraction towards predictive

- analytics.
- Used Spark APIs to perform necessary transformations and actions on the fly for building data
- pipelines which gets the data in batch and real-time in lambda architecture.
- Involved in analysis of end user requirements and business rules based on given documentation and
- work closely with tech leads and business analysts in understanding the current system.
- Wrote deliverables presentations and and investigations for business use.
- Analyzed business requirements and designed appropriate technical solutions to meet the needs of
- business users for project-based and ad-hoc reporting requests
- Analyzed source systems to determine integration approach.

EDUCATION:

Graphic Era University — *(B-Tech)*