

Brijesh Dubey
AWS Data Engineer
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Current location: Mumbai, India

Preferred location: Mumbai / Open to relocation at a global level

CORE COMPETENCIES

Python (3.x,2.7.x), AWS Development, Flask, SQL / NOSQL Databases, Automation, Data Warehousing, Data Quality, Business Intelligence, Agile Tools & Transformation, Datalku, Quality Improvements and Customer Relationship

EDUCATION

MSc, Information Technology | MUMBAI UNIVERSITY

PROFESSIONAL CERTIFICATIONS:

Six Sigma Green Belt | GE, 2015

PROFESSIONAL OVERVIEW

HUGO EDGE SOLUTIONS, CLIENT - JOHNSON & JOHNSON, BENGALURU
AWS Data Engineer / Technical Lead

Sep 2019 – Present

- ◆ Worked on implementation of AWS solution for Aggrify – a system to automate the job monitoring process and derive insights. Aggrify helped in eliminating L1 level support whose primary function was to perform manual monitoring 24x7. Aggrify was also useful in identifying points of potential failure even before they occur
- ◆ Designing automated ticket creation process for applications which are part of Aggrify (using AWS services and Service Now), thus leading to process improvement and operational efficiency
- ◆ Designed the updates to IRIS (service now) system updates and status through outlook email communications using AWS SES, S3, Lambda, API calls, EMR, Dynamo DB. Projected yearly savings of \$120K
- ◆ Improved operational excellence of the project by integrating all CloudWatch Alarms with Slack Messaging Tool.
- ◆ Designed and developed RBAC model for authentication and authorization of users
- ◆ Designed and developed various RESTful APIs and scripts in Python
- ◆ Created various automation scripts using python/lambda in AWS environment leading to performance improvement and cost optimizations
- ◆ Worked on advanced concepts of python such as multithreading, multiprocessing, decorator
- ◆ Introduced pair programming, architectural patterns, and code quality reviews to reduce tech debt.
- ◆ Created various python scripts for automation of testing
- ◆ Worked extensively on GIT to maintain source code versioning
- ◆ Used Pylint, Pytest and other best coding practices to ensure better quality of code
- ◆ Worked as subject matter expert on python for my client. Strong focus on extensive usage of code reusability thus making a robust and flexible code, which was easier to maintain
- ◆ Worked on CI/CD pipeline for database migrations using Flyway
- ◆ Investigate new technologies, tools, processes and make recommendations for adoption
- ◆ Actively involved in recruitment process for my current Organisation to fulfil Python positions
- ◆ Mentored 3 junior Python developers and trained them to work independently
- ◆ Self & Quick learner and Working knowledge on DevOps & streaming world such as Kafka, Spark & Scala

TATA CONSULTANCY SERVICES LIMITED, CLIENT-GE, MUMBAI, INDIA
Senior Developer

Aug 2017 – Aug 2019

- ◆ Design and developed a Foreign Exchange (FX) web-based application (Datalku - Data Science platform) which is built on HTML, CSS, JavaScript, jQuery and Python to interact with database and to accomplish complex calculations using Pandas & NumPy libraries. This led to the automation of job workflow leading to a savings of 3hours daily.
- ◆ Worked very closely with the customer on a day to day basis to gather requirement and effort estimations.
- ◆ Worked extensively on various python libraries like Pandas, NumPy, SQLAlchemy
- ◆ Worked on heterogeneous sources of data like Oracle, Denodo, flat files in Datalku.
- ◆ Developed scripts, error handling strategy for Various workloads.

- ◆ Used session and local storage features of JavaScript to handle issue of concurrent users
- ◆ Created various Data quality rules in python to eliminate data discrepancies
- ◆ Understanding of Bokeh library in Python to display different type of graphs and exploring more analytical abilities to work within Python.
- ◆ Involved in various P1 issue resolution calls, thereby demonstrating my problem solving and analytical skills.
- ◆ Involved in code review calls of Python
- ◆ Leading and mentoring 3 members to become more productive and bringing them at par with others.
- ◆ Received multiple appreciations from the client for my hard work and innovative solutions.

TATA CONSULTANCY SERVICES LIMITED, CLIENT-GE, MUMBAI, INDIA

Aug 2015 – Jul 2017

Developer / Admin

- ◆ Worked on TIBCO Spotfire as a developer as well as an Administrator.
- ◆ Created various reports on Spotfire (involving multiple Data sources) such as cross table, Bar chart, Tree map and other Visualizations.
- ◆ Involved in performance improvements of the dashboards.
- ◆ Working knowledge of different Spotfire functionality like On-Demand Table, Detail on Demand, Filter Schemes, etc.
- ◆ Developed different report usable data elements, Information Links, Filters, Joins in Spotfire Library
- ◆ Worked as Informatica developer to create various mappings involving different types of transformations like Source Qualifiers, Filters, Expressions, Lookup, Router, Sorter etc.
- ◆ Involved in migration activities from DEV to STAGE to PROD
- ◆ Completed successful POC for Spotfire 7.6 at the time of its launch
- ◆ Performed day to day activities of an admin like creation of users, groups, creation & assigning licenses to groups/users, assigning these groups to the report folder, setting up caches, environment monitoring, setting up bulk users, scheduling reports in Spotfire web player, etc.
- ◆ Worked on upgrade of server and applying hotfixes with minimal downtime and zero issues.
- ◆ After understanding various server-based activities implemented certain performance improvements like eliminating Memory leaks.
- ◆ Actively involved in troubleshooting of issues related to user access, migrations, upgrade, data access, db, connectors, client tools, visualizations, locale, web player schedule, automation jobs and xml files.
- ◆ Manage/Update/Maintain SOP (Standard Operating Procedures) and release documentations.
- ◆ Automated various tasks in Spotfire like sending server events trigger automation mail, taking snapshot of Spotfire dashboards, reading server log files and sending error message.
- ◆ Working knowledge of migration process on IBM uDeploy.
- ◆ Having knowledge on Data Warehousing concepts.

CSism Technologies

Aug 2014 – Jul 2015

Jr. Developer

- ◆ Worked as Junior developer, responsible to develop end to end application for medium sized businesses. Worked on ASP.Net with C# for web applications and windows application on C# as per the requirements.

TECHNICAL SKILLS

Python (3.0 onwards), Flask web-framework, Amazon Web Services (Lambda, SQS, SES, API Gateway, Dynamo Db, EC2, VPC, IAM, S3, RDS Oracle, Elastic Cache, Cloud Watch, Cloud Trail, route53), Redis, Oracle, PL/SQL, SQL, Docker, JavaScript, jQuery, HTML, CSS, Spotfire, Tableau, Informatica, Advance Excel, Shell Script, Asp.NET with C#, Unix, Java

Awareness of Kafka, Django, Kotlin, Mongo DB, Node.js

TOOLS, DOMAIN, AND PROCESS

JIRA, Agile, Git, Jenkins, Microsoft Office Suite, Asset Management, HRMS and Payroll, Finance, Six Sigma, Agile Scrum, LEAN

Awards and Recognitions

Rockstar Rookie Award for Doing impactful work in minimal amount of time with Johnson & Johnson as my Client. Awarded **Star of the Quarter** and **Star of the Month**, multiple times during my tenure in TCS