

Saumya Singh

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Skills

Python, SQL, Pyspark, Amazon web services, Microsoft SQL, FastApi, Pyspark, SparkSQL, Pandas, JIRA, GIT, Docker, Mongo, OperatingSystem, Flask

Experience

Software Engineer 2 | Saison Aumnee | Bangalore, India November 2022 – Present

- **Built the ForeclosureAllocation Module** from scratch using **pandas** and **python**, streamlining the foreclosure process for loans, which eliminated manual processing time and increase in user satisfaction by **80%**
- Developed **Foreclosure Simulation Module** from scratch using fastAPI, and pandas, improving the accuracy upto **80%**
- Built penalty interest calculation logic for lender charges, enabling automated computation and tracking .
- **Developed and implemented RPS generation and revision module**, leading to a **50%** reduction in schedule generation time and improving accuracy by **15%**.
- Developed **SQL** queries to generate comprehensive **statements of account** for users reducing the support inquiries and increasing the customer satisfaction

Software Engineer 1- Data | Credit Saison India | Bangalore, India April 2022 – November 2022

- Contributed to developing E2E workflows for the LMS using **JIRA, AWS, Python, Pandas, and SQL**, ensuring smooth partner integration. Integrated **Slack notifications** for report updates.
- Orchestrated the **StepFunction** workflows for various partners by setting up a **cron** job to trigger the **Lambda functions**.
- Wrote SQL queries which ran on **athena** to generate different reports.

Data Engineer | DataGrokr Analytics | Bangalore, India Dec 2020 – April 2022

- Migrated **on-prem SQL data pipeline to AWS** using **Pyspark, AWS EMR, S3, StepFunction and lambda**, reducing processing time and infrastructure costs.
- Automated **ETL** pipelines with **Python, AWS Glue, Lambda, and SQL**, and implemented a trigger functionality to initiate batch processes based on a log table using **AWS Lambda**.
- Independently improved major bottlenecks in **pyspark** and **EMR** processing by decreasing run time by **50%**
- Wrote **SQL** script for reconciliation of the data.

Education

Lovely Professional University, BTech in Computer Science August 2017 – July 2021

- CGPA: 8.2/10 (link)

Certifications

Crash Course on Python (link) May 2022

AWS Partner Accreditation(link) September 2021

Hacker Rank SQL Basic (link) May 2021

Honours / Awards

GrokStar Award (DataGrokr Analytics Pvt Ltd.) (link) January 2021

- Received Award for outstanding work performance in Q3 2021.

IQ Fiesta (CPE Lovely Professional University) September 2019

- Stood 1st Runner Up in the event IQ FIESTA held in September 2019 organised by Club Electech, CPE III, LPU.