

Sarthak Kumar

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EDUCATION B.Tech
Shri Ramswaroop Memorial University
Computer Science - GPA 7.1

WORK EXPERIENCE Fisdom July 2020 — Present
Software Development Engineer I

- Worked in several teams and products as a backend developer.
- Setup infrastructure accross different products for **replicating the databases** to a common data warehouse **BigQuery** for performing **scalable analysis** on the data.
- **Credit - (Team Lead)**
 - Built the Credit product from scratch and lead the Credit team of **5 stakeholders**, integrated DMI and IDFC First Bank as vendors for providing personal loans to customers. **Responsible from designing the product till release.**
 - Scaled the servers to handle the increasing load and wrote migration scripts to perform database migration for more than **2,00,000** user loan applications.
 - Setup the automation and mock service framework for Credit and wrote test cases have **90% test coverage.**
- **Equity**
 - Worked on the AML and risk marking compnents in the onboarding module for Fisdom's equity product.
- Tech Stack Used : **Python, Flask, Java, MySQL Server, PostgreSQL, GCP, Docker, BigQuery**

Spotlight June 2019 — Mar 2020
Software Engineer Intern

- Worked on two products: Built several REST API's and scripts currently being used in production.
- Setup Two Factor Authentication and created data pipelines.
- Documented the codebase, API's request/response and wrote test cases for the same.
- **Savings Tracker** : Built Savings Tracker feature using which client's can fetch live rates for spot and forward transactions and calculate the money they are saving on IBR.
 - Updated the **database schema** and wrote **migration scripts** to migrate the client data according to the new changes.
 - Setup **websocket** connection to constantly send out live rates for a given currency pair using **django-channels.**
 - Created API's to calculate client's savings and record transactions.
- **Onboarding** : Made API's to onboard client on TBS and payment providers.
 - Integrated payment providers Currencycloud and Western Union to the system for onboarding clients.
 - Used **Selenium for form automation** on CurrencyCloud and python's library **pdfkit** for pdf generation and editing.
- Tech Stack Used : **Python, Django, Django REST Framework, PostgreSQL, GCP, Celery, Celery Beat, Selenium, Google API's.**

PROJECTS

Recipe App

- This app is used to create and store different recipes.
- Created fully functional REST API's using Django, Django REST Framework and followed Test Driven Development(TDD).
- Tech Stack Used : **Python, Django, Django REST Framework, PostgreSQL, Docker.**

Django-E Commerce

- A E-Commerce web application using which a customer can create an account, search and add products of different categories in their cart, pay for the products and receive mails/bills of their orders.
- Tech Stack Used : **Python, Django, Stripe, Mailgun, HTML, CSS , Javascript.**

Entertainment Lane

- A simple web app for users to make their own entertainment collections.
- Users can make their own playlists from Youtube.
- Used AJAX for asynchronously searching videos from Youtube.
- Tech Stack Used : **Python, Django, HTML, CSS, Javascript, YouTube API.**

TECHNICAL SKILLS

Languages : Python, Java, SQL

Frameworks : Django, Django REST Framework, Flask

Databases : PostgreSQL, MySQL, SQLite, Redis

Tools : Git, Celery, Celery beat, Selenium, Postman, Docker, Travis-CI, BigQuery, GCP

EXTRA CURRICULAR

Learning new tools and technologies.

Writing blogs on Medium related to python and software engineering etc. Blogs have more than **400,000+ views**.