Santhosh Aditya

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EXPERIENCE

• Velocity
June 2022 - Current

Software Engineer — Bengaluru

- Designed the entire system for automatic underwriting as a part of the Finance Team with several components such as a rule engine, a state machine, statistical models, and user-facing APIs.
- Recognized for developing a configurable risk-score model that streamlines 50% of credit decisions for large customers and achieves 100% automation for smaller customers.
- Automated several functions like Loan Portfolio Tracking with an IRR model, generated CAM reports, and simplified customer data collection. This significantly reduced the TAT of the loan disbursement pipeline and saved direct costs.
- Worked on the Ingestion system and played a key role in the migration of the data collection pipeline from ELT to ETLT to reduce costs and pipeline sync time
- Built financial pipelines for several third-party APIs end-to-end from Transaction processing to analytics modelling
- Built a pipeline for the operations team to upload file data to Bigquery using an S3-backed SFTP server(ec2)
- Worked on POC for CDC of backend Mysql database using Dataflow, Debezium, and Kafka
- Tech: Python, Ruby, Rails, Airbyte, Metabase, Step functions, S3, AWS Batch, Apache Beam, Pandas, Serverless, BigQuery, GCS, Lambda, DynamoDB, Kubernetes

• Cracku
Sept 2021 - May 2022

Software Development Engineer — Hyderabad

- As a Full Stack developer, I developed a QA forum for users on the Cracku and Gmatpoint websites, created several dashboards and visualizations for logistics, and marketing teams, and Built the entire Store module on the GMATPoint Website.
- Built a rank predictor and score calculator for GMAT website based on public and customer data. Built a score uploader on the website and leaderboard on the backend to facilitate this feature
- Daily work involved writing new features, new UIs, Optimizing Query Performance, fixing bugs and failed tasks
- Tech: Python, Django, Postgres, d3.js, HTML/CSS, Bootstrap, jQuery, Cloudfunctions.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Ruby, Javascript, Typescript, Java, C++
Areas of Expertise: Serverless, ETL, Integrations, Analytics, Scraping, Parsing, Database Design
Frameworks: Django, Rails, React, VueJS, FastAPI, Flask, Nodejs, Pandas, Numpy
Cloud/Databases: PostgreSQL, MySQL, BigQuery, Redis
Developer Tools: AWS, Docker, kubernetes(k8s), Lambda, GCP, Cloud Functions
Coursework: Data Structures, Algorithms, Object Oriented Programming(OOP), Image Processing

PERSONAL PROJECTS

• Contribution to OSS Project Agentive
Link

Fallback for unextractabe key-value pairs

- Tech: FastAPI, python, Azure DocAI Intelligence

• Contribution to OSS Project Poozle
Link

Integrated Linear API to Open Source Unified API Framework Poozle

- Tech: Typescript, GraphQL

• Synth

A chrome extension which enables AI powered queries on your current webpage

- Tech: VueJs, FastAPI, Docker, Supabase, Netlify

• Pay-Transfer API

Fault tolerant payment API to transfer money between two entities

- Tech: python, flask, postgres, docker

View More at https://github.com/AdityaSanthosh

ACHIEVEMENTS

- Secured First rank in Physics in Andhra Pradesh DEECET 2017