# ROHITH REDDY

SOFTWARE PROGRAMMER

## Experience

**N!yo**

*Data Engineer*

## Education

**Master of Science**

Major in Physics with Honors, BITS Pilani University, India

## Skills

Python

Druid

Shell

MongoDB

SQL

Spark

Docker

Streamsets

Kafka

June 2017 - April 2018

Niyo is a new age bank, has a multi-wallet credit & debit card, forex card products <ul> <li>Designed and built a data pipeline to move data from MongoDB which is the transactional system to a warehouse on AWS Redshift using Airflow, we leaned towards ELT than ETL reducing costs</li> <li>Collaborated with analysts, developers and CXO's to establish various metrics, reports, KPIs and insights. Implemented a BI system with Metabase & SQL acting as frontend on Redshift democratizing data and having a near realtime view of the business</li> <li>Curated various reports, dashboards, access to data, educated users who included analysts, engineers,customer support executives, investors and other business users in using these tools while being compliant, making the organization more data driven</li> <li>Implemented Sanity & Data Quality Checks to verify data received from various partners. Automated various data related tasks such as sharing data with partners</li> <li>Detected significant anomalies with data quality checks for transaction data that directly resulted in finding and fixing bug on partner's switch, preventing loss of revenue & helping us in establishing SLAs with the partner</li> <li>Setup Kafka cluster and used debezium to stream change logs from various services for stream processing and have continuous snapshots of data state</li> </ul>

**RedBlackTree**

*Serverside IOT Engineer*

October 2016 - February 2017

<ul> <li>Was part of the initial team building Preventative Maintenance solution using predictive analytics with Machine Learning. Assisted the CTO and a senior developer in design of the system and data modelling for processing data from a variety of sources ranging from sensor events to textual data from service technicians, suggested using a columnar databases like Druid for event related data, which helped us in keeping our query latencies to sub-second</li> <li>Built data ingestion pipeline from external client systems & databases to datalake on S3 using Pandas & python</li> <li>Wrote services to ingest data to Druid from s3 and restful api's required for a custom web application and machine learning modules, used Flask & Pandas for api's, Postgres for application metadata</li> </ul>

**Sphota Biz**

*Member of Technical Staff*
September 2018 - August 2019

<ul> <li>Led efforts in building services for a Multi-touch Attribution product, implemented api's to ingest, process the touch point data, push it to customer data stores, setup auto-scaling with Load Balancer to better handle load, few tools used were Falcon framework, Google Cloud PubSub, GCF, Storage, Scheduler</li> <li>Worked with clients to build a BI system on Metabase & data warehouse on Postgres with Airflow enabling the marketeers to take better decisions on ad spends</li> <li>Modified client's internal data platform for compliance with GDPR data laws relating to PII had to work with React and NodeJS</li> </ul>

## Customer Centria

*Full-stack Developer*

July 2015 - August 2016

<ul> <li>Created campaign analytics dashboard in Backbone.js Single Page Application, integrating d3.js and nvd3.js libraries into Omni-channel Campaign management SaaS product, wrote REST API's for aggregating statistics from campaigns with Spring and MongoDB</li> <li>Used Jenkins to create a CI / CD pipeline and automated reliable deployments</li> <li>Proposed and managed a Mesos cluster for running applications and data workloads, increasing developer productivity making deployments more resilient and manageable</li> <li>Implemented a resilient pipeline to capture tweets based on keywords related to clients & perform sentiment analysis for a customer 360 data application with help from data scientists, senior developers. Used Kafka, Python, MongoDB running on the Mesos Cluster</li> </ul>

## Contact

rohithreddyt@yandex.com ✉

+91 888 654 0155 📞

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rohithreddy.github.io 🌐

https://github.com/rohithreddy