

Md Sirajus Salayhin

Data Engineer | salayhin@gmail.com | +8801833362458

Solid Data Engineering experience in building data ecosystems including data lake, data warehouse, data modeling and dashboard development, and building data products that can run at scale.

SKILLS

DATA ENGINEERING

- Data Processing
- Data Modeling
- Data Warehousing

BIG DATA TOOLS

- Hadoop
- Hive
- PySpark
- AWS Athena
- S3/ Google Cloud Storage
- Apache Airflow

DATA VISUALIZATION

- Data Studio
- Tableau
- Redash
- Periscope Data

CLOUD INFRASTRUCTURE

- Amazon Web Services (AWS)
- Google Cloud Platform

PROGRAMMING

- Python, Golang, Ruby
- SQL
- Shell Script

DATABASE

- Google Big Query
- AWS Redshift, Redshift Spectrum
- SQL Server 2016
- MySQL, PostgreSQL, MongoDB

WEB

- Ruby on Rails • Django • Flask

PROFILES

Github:// [salayhin](#)

LinkedIn:// [salayhin](#)

StackOverflow:// [salayhin](#)

Twitter:// [@salayhin](#)

EDUCATION

JAGANNATH UNIVERSITY

B.SC IN PHYSICS

2008 | Dhaka, Bangladesh

IICT, BUET

POST GRADUATE DIPLOMA IN ICT

2019 | Dhaka, Bangladesh

EXPERIENCE

PATHAO LTD. | SENIOR DATA ENGINEER LEVEL II

June 2018 – Now | Dhaka, Bangladesh

- **Data Lake, Data Warehouse Architect:** Designed and developed Data Lake and Data Warehouse in Google Cloud Storage and Google Big Query. This helped Pathao to build better data products and reporting tools.
- **Data Collection framework:** Developed data pipelines for data collection from different data sources using PySpark which runs on Google Cloud Service server-less cloud infrastructure called Dataproc.
- **Reporting and Visualisation:** Developed reporting framework which runs daily/ monthly/ quarterly to process a large amount of data on Google Big Query and send them automatically to different stakeholders. Also, design data models and prepare dashboards for different stakeholders on BI tools including Tableau/ Data Studio/ Redash.
- **Data Pipeline Monitoring Framework:** Developed data pipeline monitoring framework to verify source and destination data quality, Which includes total row counts, data types check, data schema check. This tool automatically sent alert to responsible stakeholders for any pipeline failure.
- **Infrastructure Management for Data Pipelines:** Worked as one of the primary maintainers of Data lake and data Warehouse Cloud Infrastructure. Built CI/CD pipelines deploy services. Built and integrated monitoring tools to visualize system health metrics. Also, Integrate Apache Airflow to manage data pipelines.
- **Data Access Control Policy:** Developed a data access control policy for Pathao. This helped my company to secure data within an organization and restrict any data breach from our data lake and data warehouse
- **Tools Technologies:** Python, PySpark, Google Cloud Storage, Google Big Query, Google PubSub, Google Data Proc

RELISOURCE TECHNOLOGIES LTD. | SENIOR DATABASE ENGINEER

March 2018 – May 2018 | Dhaka, Bangladesh

- **Database Administrator:** Troubleshoot architectural design with existing data warehouse and data integration pipelines. This involves data migration, replication, log shipping, database backup, etc.
- **Tools Technologies:** SQL Server, Redshift

AUGMEDIX INC. | SENIOR DATA ENGINEER

June 2015 – March 2018 | Dhaka, Bangladesh

- **Data Lake Data Warehouse Architect:** Designed and developed Data Lake and Data Warehouse in S3 and SQL Server 2016. This helped Augmedix to build better data products and reporting tools.
- **Data Collection framework:** Developed data pipelines for data collection from different data sources including 3rd Party APIs, Google Spreadsheet, MySQL using Python, and Pentaho which runs on AWS Cloud Infrastructure.
- **Reporting and Visualisation:** Developed reporting framework which runs daily/ monthly/ quarterly to process a large amount of data on SQL Server and send them automatically to different stakeholders. Also, design data models and prepare dashboards for different stakeholders on BI tools including Tableau/ Sisense/ Periscope Data.
- **Tools Technologies:** R, Python, Pyspark, Pandas, Matplotlib, Jupyter Notebook, Django

CERTIFICATES

- Coursera: Introduction to Data Science in Python
- Datacamp: Python Data Science Toolbox (Part 1)
- Datacamp: Python Data Science Toolbox (Part 2)
- Datacamp: Exploratory Data Analysis Using R

EXPERIENCE

NASCENIA LTD. | RUBY ON RAILS DEVELOPER

June 2013 – June 2015 | Dhaka, Bangladesh

- **B2B Marketplace:** Developed a marketplace application with multiple sellers, buyer for farmers, for the most unique, specialty foods from around the country (Ruby on Rails, MySQL)
- **Data Analytic Tool:** Developed a web-based tool for social media data analysis and schedule social media posts. (Ruby on Rails, PostgreSQL)
- **Software as a Service:** Extend the functionality of a Web-based school management system software. (Ruby on Rails, PostgreSQL). Also partially developed a single web-based system for car dealers and traders to carry out their marketing, sales and purchasing activities. (Ruby on Rails, PostgreSQL)
- **Infrastructure Management:** Worked as one of the primary maintainers of software Cloud Infrastructure in AWS. Built CI/CD pipelines deploy services. Built and integrated monitoring tools to visualize system health metrics.
- **Tools Technologies:** Ruby on Rails, PostgreSQL, MySQL, Apache Solr

RIGHT BRAIN SOLUTION LTD. | SOFTWARE ENGINEER

November 2011 – May 2013 | Dhaka, Bangladesh

- **Back End Service:** Developed API for a mobile application whose main functionality is friends, share local content, and discover new people! (Symfony 2, MongoDB)
- **Web Applications:** Developed an online rental shop for Fashion, shoes, skis, boot fitting, snowboard, accessories (Symfony 2, MySQL). Also worked as a team to develop one of the largest auto sites in Canada owned by Toronto Star. (WordPress, MySQL)
- **Business Process Automation Software:** Developed an online ticket management system for events. (Zend Framework, MySQL). Also developed an automated ERP solution for universities. It reduces workload and turns up the hectic working into smooth processing with the existing system. (Zend Framework, MySQL)
- **Tools Technologies:** Zend Framework, Symfony 2, Wordpress, MySQL, MongoDB

NANOSOFT | PROGRAMMER

May 2011 – October 2011 | Dhaka, Bangladesh

- **Web Application:** Developed web-based application where officials of the Ministry of Power, Energy and Mineral Resources can add and manage their daily schedule. (Codeigniter, MySQL)
- **Tools Technologies:** Codeigniter, MySQL