

# Md Sirajus Salayhin

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## EDUCATION

### IICT, BUET

#### POST GRADUATE DIPLOMA IN ICT

Expected June 2019 | Dhaka, Bangladesh

### JAGANNATH UNIVERSITY

#### B.SC IN PHYSICS

2008 | Dhaka, Bangladesh

## PROFILES

Github:// [salayhin](#)

LinkedIn:// [salayhin](#)

StackOverflow:// [salayhin](#)

Twitter:// [@salayhin](#)

## SKILLS

### PROGRAMMING

- Python
- Go Lang
- R
- Ruby
- Shell Script

### DATABASE

- Google Big Query
- SQL Server 2016
- MySQL
- PostgreSQL

### BIG DATA TOOLS

- Hadoop
- Spark

### DATA ANALYSIS TOOLS

- Python (Jupyter Notebook, Numpy, Pandas, Matplotlib)
- R (dplyr, ggplot, RShiny)

### MACHINE LEARNING TOOLS

- Spark ML
- Scikit-learn
- Tensorflow
- caret

### DEVOPS TOOLS

- AWS • Google Cloud • Cent OS • Ubuntu • Docker

### WEB

- Ruby on Rails • Django • Flask

## EXPERIENCE

### PATHAO LTD. | SENIOR DATA ENGINEER

June 2018 – Now | Dhaka, Bangladesh

- Implement Data Governance Policy across the organization
- Develop Data Lake in Google Cloud Storage where data are coming from various production DB's and 3rd Party API's
- Prepare data model for data warehousing, maintain, design and develop database for data warehousing in Google Big Query
- Develop Real Time Data Analysis Pipeline with Google Pub Sub
- Integrate Apache Airflow for data pipeline work flow scheduling and monitoring
- Analyze requirement for dashboards and reporting system
- Developed data integrity checking tool to ensure data integrity among source and destination
- Develop Automated Testing reports and dashboards.
- Implement recommendation engine for food
- Tools: Python, PySpark, Google Cloud Storage, Google Big Query, Google Pub Sub, Google Data Proc

### RELISOURCE TECHNOLOGIES LTD. | SENIOR DATABASE ENGINEER

March 2018 – May 2018 | Dhaka, Bangladesh

- Worked as A Database Administrator to monitor large databases in SQL Server
- Manage log shipping, Database backup
- Tools: SQL Server

### AUGMEDIX INC. | SENIOR DATA ENGINEER

June 2015 – March 2018 | Dhaka, Bangladesh

- Designed, modeled and implemented Data Warehouse and Data Mart (SQL Server 2016)
- Developed ETL for import data from various sources like 3rd Party API's, Google Spreadsheet, MySQL (R, Python and Pentaho)
- Integrate Apache Airflow for data pipeline workflow scheduling and monitoring.
- Manage and Deploy ETL application developed with Python, R and Pentaho in AWS servers.
- Develop AWS EC2 and RDS monitoring tool using RShiny.
- Develop automated testing script for ETL using R and RShiny.
- Created REST API for expose data (Python, Django REST API).
- Tools: R, Python, Pandas, dplyr, NumPy, Matplotlib, Jupyter Notebook, Django, RShiny

### NASCENIA LTD. | RUBY ON RAILS DEVELOPER

June 2013 – June 2015 | Dhaka, Bangladesh

- Developed Web Application using Ruby on Rails. For example: On-line Marketplace, Social media data analysis tool, School Management System Software
- Manage and deploy RoR applications in AWS EC2.
- Tools: Ruby on Rails, PostgreSQL, MySQL, Apache Solr

## 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

### **RIGHT BRAIN SOLUTION LTD. | SOFTWARE ENGINEER**

November 2011 – May 2013 | Dhaka, Bangladesh

- Developed Web application API for iPhone and Android apps.
- Tools: Zend Framework, Symfony 2, MySQL, MongoDB

### **NANOSOFT | PROGRAMMER**

May 2011 – October 2011 | Dhaka, Bangladesh

- Created web based application for schedule management system for
- Tools: Codeigniter, MySQL

### **SITEBLOOM LTD. | SOFTWARE DEVELOPER**

October 2009 – June 2011 | Dhaka, Bangladesh

- Created web based school management system software (Codeigniter, MySQL)
- Tools: Codeigniter, MySQL