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# ADITYA SOLANKI

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## Advisory Consultant

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### Summary

A Google Certified Associate Cloud Developer eagerly exploring the field of Data sciences and Machine Learning. Experienced in multi system environment with various technologies. Result oriented with strong written and verbal communication skills.

**Self Taught Projects:** [Face Recognition](#), [Kubernetes](#), [Streaming Pipeline](#), [Batch Pipeline Using Dataflow](#), [Batch Pipeline using Dataproc](#), [Batch Pipeline using ML](#)

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### Core Competencies

- Extensive experience in Payment's domain of commercial banking
- Team lead for various cross technology projects
- First hand experience in Technology Migration
- Expert in Agile Software development methodologies
- Team Selection and Mentoring
- Data and Environment Management
- Proficient in Client Interaction and Requirement gathering
- Established Product Delivery channel for deployment

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### Professional experience

May 2021

Advisory Consultant

*IBM India*

1. **Data lake and Data Warehouse Creation**

- Working as Data Engineer to help create Data Lake and Data Warehouse in **Google Bigquery**
- **Dataflow** and **Oracle Golden Gate** are used to load data into Data Lake
- **Merge SQLs** are used to load data from Data lake to Data Warehouse
- **Dataproc** is used to load data from Teradata to Google Cloud Storage
- Implemented Backup and restoration process for bigquery tables using **Shell Scripting**

Mar 2019 - May 2021

Senior Software Engineer

*HSBC Development India, Pune*

1. **Payments Fraud Detection**

- Implemented cloud native ETL pipeline using Google **Cloud Storage**, Google **Cloud Data Fusion** and Google **Bigquery** for Data Warehousing and Analytics
- Implemented Batch pipelines to load consistent payment's data in Bigquery
- Part of the project as **Cross Technology expert** to excavate logic from Monolithic application and using that knowledge to create pipelines.

2. **HSBC Global Payments**

- Part of the Team that implemented first in segment Payments Solutions
- Worked with various teams using different technologies to deliver a product in record time
- Project Awarded Best Project in Small Segment in HSBC due to excellent solution implementation and early delivery. Product deployed in over 7 countries in a span of a year

3. **HSBC - Alawwal merger**

- Implemented ETL logic to migrate customer's Templates from Alawwal to HSBC
- Collaborated with Business and created Functional and Technical requirements

4. **Payment Services Directive 2**

- Lead the project to successfully implement and deliver API based banking solution spanning over various technologies and implemented a solution to segregate a payment from core system.

Nov 2016 - Feb 2019

Software Engineer

*HSBC Development India, Pune*

1. Oman's **Wage Protection System**

- Lead the project to introduce this new payment type and delivered it 3 months before the deadline

2. Saudi's **ESAL Bill Payments**

- Created a solution to implement session based data extraction from a third party which effectively reduced response time by a third

3. United Kingdom's **Ring Fenced Banking**

- Implemented batch processing for Data Migration where UK's big clients were moved to a smaller virtual bank inside HSBC.

Nov 2015 - Oct 2016

Senior Systems Engineer

*Infosys Limited, Pune*

1. **Coventry Merger (1.5 Years)** Worked with the client to integrate their System with a company called Coventry
2. Actively worked in **Development, Testing and Implementation** phases while coordinating with various team from different countries
3. Created a solution that helped the client in saving \$30 Million

Oct 2013 - Oct 2015

Systems Engineer

*Infosys Limited, Mysore*

1. Part of a Health care project from United States of America and saved \$50K by Automating a Batch process

## Skills

### Programming Language

- Python

### Data Processing

- Apache Spark
- Apache Beam

### Machine Learning Libraries

- TensorFlow
- Keras
- PyTorch
- scikit-learn
- Bigquery ML

### Data Integration

- Data Fusion
- Data Prep

### Batch Processing

- Batch Pipeline using Dataflow
- Batch Pipeline using Dataproc

### Data Warehouse and Data Lake

- BIGQUERY
- Google Cloud Storage

### Deployment System

- Kubernetes

### Streaming Data Processing

- Streaming Pipeline using Dataflow

### Asynchronous Messaging

- Cloud Pub Sub

### Command Line Interface

- Cloud SDK (gcloud, gsutil, bq)

## Certifications

- Google Associate Cloud Engineer
- Google Cloud Digital leader

## Accomplishments

- Top performer in 2020-2021
- Top performer in 2019-2020
- Top performer in 2018-2019
- Won unit level Badminton tournament in HSBC
- Winning Captain in Unit level Box cricket tournament in HSBC
- Captain in Unit level Cricket Tournament
- Winner in 5 km Marathon organised by Infosys

## Education

2009 - 2013

Electronics and Telecommunication

*College of Engineering Roorkee*

70.06%