

# Jawdat Rana

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## Summary

A highly motivated engineer with a strong background in interpreting, analyzing, and reconciling data from diverse sources. Skilled in developing and improving existing processes and methods to fulfill internal and external analysis needs. Proficient in utilizing cutting-edge analytical tools. Possesses excellent communication skills, effectively conveying results from conducted analyses and investigations. Demonstrates a dedicated commitment to meeting deadlines while maintaining high standards of accuracy and quality in work.

## Experience



### ETL Developer

Novi Labs

Apr 2022 - Present (1 year 10 months)

Developing processes to automate extraction of data from various sources and format, including unstructured data.



### Data Engineer

Trackman

Oct 2019 - Mar 2022 (2 years 6 months)

Worked in Data Engineering team - responsible for capturing, processing and delivering real time data on athlete performance from Trackman's cutting-edge radar and computer vision based tracking technology.

#### Achievements

- Redesigned architecture of data ingest pipelines and lake to support growing platform - scalable to support millions of data points, at the time processed upto 3 million records per day.
- Developed highly reliable and scalable APIs for various data solutions
- Engineered data pipelines to ingest, process, and store data in lakes and data stores.
- Built micro-services and workflows to support different departments in building analytical tools.
- Used PowerBI Push APIs to stream real-time data on reporting dashboards
- Automated various process including notifications and alerts on MS Teams, detecting merge requests in repositories, creating pull requests, and more.
- Written python libraries to reduce repetitive code and enable best programming practices within Data Team

#### Tools

Python, AWS Cloud Services (S3, SNS, SQS, Lambda, Cloudformation, Step Functions, Glue jobs, Athena, Redshift, Spectrum), MongoDB, Postgresql, Power BI, Azure Devops



### Data Engineer / Architect

SURGO

Apr 2018 - Apr 2019 (1 year 1 month)

During my time at Surgo - I had worked on alternative data sets such as web traffic, search engine volume and positioning, backlinks, and other digital data sources.

#### Achievements

- Successfully lead several data extraction, warehousing and analytics initiatives that reduced operating and time costs.
- Developed Data lakes and Warehouse for dashboard application.
- Developed pipelines to automate data ingest and ETL work reducing time from couple of days to few hours.

#### Tools:

AWS Lambda, S3, Mongo DB, Python



### Junior Data Analyst

#### SURGO

Jul 2016 - Mar 2018 (1 year 9 months)

#### Achievements

- Conceptualized and implemented database to migrate data from csv files.
- Query building to optimize and join various datasets.
- Performed data treatment to clean and enrich data for visualization.
- Developed web based interfaces to help sales and marketing perform adhoc data requests
- Developed internal APIs for inhouse tools

#### Tools

- Python, R, MySQL, Flask

### Data Analyst

#### PredictifyMe

Oct 2015 - Apr 2016 (7 months)

#### Achievements

- Automated the county wise allocation on granular geographies.
- Performed data treatment of Economic Surveys 2009-2013, accounting to 1.3 bn data points.
- Performed research and data wrangling on public datasets.
- Met the data requirements for the product by identifying categories across all geography levels.

#### Tools:

Python, R, MySQL, MS Excel, Tableau



### Web Development Intern

#### Aga Khan University

Aug 2013 - Oct 2013 (3 months)

Developed interactive dashboards for the medical lab - in effort to give executive board an overview of testings done, recurring / similar patterns in patients, and areas to improve and for patient, access to test results.

- Used different javascript chart APIs to create interactive charts and graphs.
- Requesting / coordinating data access.
- Assisted other intern to create web forms using Bootstrap.

Tools:

PHP, Javascript, HTML, XAMPP, MSSQL



## **Web Development Intern**

Pak-Qatar Group

Jul 2012 - Sep 2012 (3 months)

Developed a CMS based web portal for day to day tasks of Human Resource department and to lessen the paper work involved at different levels. System was developed and deployed in a completely Linux based environment.

## **Education**



### **National University of Computer and Emerging Sciences**

Bachelor of Science (BS), Computer Science

2010 - 2014

### **Bahria College Karsaz**

HSSC, Pre Engineering

2008 - 2010

## **Licenses & Certifications**



### **Introduction to Big Data - UC San Diego - Coursera Course Certificates**

KXQKWBSVRUT



### **Customer Analytics - Wharton - Coursera Course Certificates**

865ECR4WVK98



### **Operations Analytics - Wharton - Coursera Course Certificates**

SFQXH34URJ6U

## **Skills**

Python (Programming Language) • Amazon Web Services (AWS) • Databases • API Development •  
Microservices • Automation