

# Mohammed Tanveer

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## Professional Synopsis

- Over **6.5 years** of experience in developing and maintaining large complex applications having heterogeneous architecture, multiple interfaces and technology streams
- Experience in software development on **Desktop, Web** and **Cloud** based applications
- Proficient in **Python, SQL, Amazon web services** and working in **Linux** environment
- Hands on with working on both **Linux** and **Windows** platform

## Technologies

**Programming languages:** Python 2.7/3.x, SQL, C++, GOLD

**Amazon web services:** S3, Lambda, EC2, CodePipeline, CodeBuild, Fargate, ECS, Aurora (Amazon RDS), CloudFormation, CloudWatch

**Database:** Oracle, SQL server, PostgreSQL, Amazon RDS(Aurora), Sqlite

**Version control:** Git, Azure, Tortoise

**IDE:** PyCharm, DataGrip, Rider, Visual studio, Qt Creator

**Tools:** Docker, Apache, Jenkins, Apigee, SumoLogic, JIRA, Rally, Confluence, Azure DevOps, putty, WinSCP

## Education Qualification

B.E. in Telecommunication from CMR Institute of Technology, Bengaluru; affiliated to Visveshwaraiah Technological University, Belgaum in 2013.

## Work Experience

**IHS Markit** (Sep 2019 - present)

*Software Engineer*

### Fee Data Ingestion Engine

- Parse the incoming oil well meta data files, extract them to feed into the database. Documents pertaining to meta data are visualized in UI and corresponding entries made by user
- AWS services like **S3, lambda, EC2, CloudWatch, CloudFormation, Code Pipeline, Code Build** are used to develop, build and deploy
- Worked on independent modules/features along with SonarQube and white source integration
- Setting up of proxies and Oauth2 authentication for securing APIs using **Apigee**

### Elbert-Rollup

- It is an auto-allocation project to update humongous amount of well data in bulk everyday. The data updation is crucial for stake holders
- To achieve this we use AWS **Fargate, ECS, ECR, Aurora** to run multiple tasks in parallel thereby updating the latest data within hours
- Transmit logs to **SumoLogic** dashboard to keep a track of number of tasks and records processed

### Well cost

- APIs developed using Flask, built and deployed on **AWS Fargate as a service** consumed by the UI team
- AFE well search screen developed by the UI team will use the APIs for various functions

**Continental Automotive** (May 2015 – Aug 2019)

*Senior Software Engineer*

**Canvas**

- Worked as an individual contributor developing microservices for radar and camera data
- Point cloud services to publish 3D data over publisher subscriber network through protobuf
- Developing interfaces for object detection and tracking algorithms (**Python**) and the tool (**C++**) to visualize labels for recording played in label tool
- Microservice to sync camera and radar data to oracle using **Flask** framework
- Initiated the developing of pre-labelling framework to auto generate labels using a pre-trained network on MSCOCO dataset

**Test Data server manager (TDSM)**

- To fetch details of recording taken during test drive
- Developed using **PyQt4** with oracle database and rest APIs to interact with
- LDAP integration, load testing, auto documentation

**Mphasis** (Jan 2014 – Apr 2015)

*Associate Software Engineer*

**CUNA**

- Involved back-end programming, GUI development, enhancements and fixing bugs to the existing product.
- Worked on e-wam, a niche technology based on Wyde framework for insurance domain.

**Personal Details**

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Marital status: Married

Sex: Male

Nationality: Indian

Languages: English, Hindi, Kannada, Urdu and Arabic