

Jayesh Singh

Full time Software Developer | Enthusiast to Solve Some Real Life Problems | Machine Learning Aspirent

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EXPERIENCE

PT-Terado Engineering Pvt. Ltd, Mumbai—Senior Software Developer

April 2019 - Dec 2020

Responsible for all Product based Software development activities, the major product was to build an online Pollutant monitoring System named Ecolyser.

Decimal Point Analytics Pvt. Ltd, Mumbai—Associate Python Developer

Dec 2020- PRESENT

Working on US stock market data scraping, cleaning, Processing and Populating as Per Clients requirement.

PROJECTS

Ecolyser Backend —Backend Service for Online Monitoring System

It includes django and Flask based API's for collecting Pollutant Data from Ecolyser Devices deployed on site(Industries), It also processes the data, generates reports and alerts, and serves configuration details to Ecolyser Devices. API's are used in ecolyser.com and [Ecolyser App](#).

Ecolyser HMI firmware—HMI display firmware

It's a kivy(python framework for Native Apps) based app that runs on a Raspberry Pi screen to render pollutant data on site and configure Ecolyser in Offline mode.

Ecolyser Client Firmware(v2.0)—Data Acquisition Software

It is responsible for collecting data from analyzers and sending them to Ecolyser Server, Also It stores backup data for 90 days. It uses the MQTT Protocol for communication of remote configuration commands.

SKILLS

Software Development
Software Architecture Design
Technical Troubleshooting
Communication Skills and TeamWork
Prototyping Softwares

TECHNOLOGIES

Web Development
Android Development
REST Api Development
Data Science and ML
Firebase

PROGRAMMING TOOLS AND TECHNOLOGIES

Python
Kotlin
MongoDb and SQL
Django and Flask Framework
IoT : Using MQTT and HTTP
HTML, CSS and Javascript
Linux
Git and Github
Pandas and Numpy

QuoteMedia Corporate Data — Backend Process

It includes Bulk of Core Python Scripts as well as Django Management commands for running Backend Processes that collect, Clean, Process, Analyze and Export US Market Data as per Client Requirement. Also, was Responsible for developing REST API's for the final data.

Ecolyser App—Android App for Monitoring Data

It is a Kotlin based app built for monitoring pollutant data from Ecolyser devices. [Click](#) here to download apk from Playstore.

EDUCATION

D.G Ruparel College, Mumbai— *Bachelor of Computer Science*

June 2016 - March 2019

CGPA : 8.40 | Grade : A+

Viva College, Virar — *Higher Secondary Certificate(HSC)*

June 2014 - March 2016

Percentage : 62% | Grade : A

Mount Mary English Schools, Virar — *Secondary School Certificate(SSC)*

June 2014 - March 2016

Percentage : 88% | Grade : A

CERTIFICATIONS

- Software Engineering in Industrial Practice by TCS iON
- I TEch Certified Software Engineer
- Data Science and ML Bootcamp in Python from Udemy
- CutShort Certified Python Developer

LANGUAGES

English, Hindi, Marathi

HOBBIES

Playing Chess

Writing

ACHIEVEMENTS

Won Most Performing Developer Award at PT-Terado Engineering.

Won Conciliation Price at District level chess championship

DECLARATION

I, Mr. Jayesh Rakesh Singh, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Jayesh Singh