

# Irfan Imtiaz Munshi

## Software/Platform Engineer

Software developer specializing in Erlang/Javascript(Nodejs). Extensive background in full life cycle software development process, including requirements gathering, design, coding, testing, debugging and maintenance. Proven track record of designing and implementing flexible solutions.

## WORK EXPERIENCE

### Erlang Consultant/ Web developer Freelancer

06/2019 - Present

#### Achievements/Tasks

- Optimizing code and maintenance for various clients available in India and Onsite(South Africa, UAE)
- Debugging and making code patches (MERN)
- Made websites for commercial applications.

### Senior Software Engineer NTT Data

12/2018 - 05/2019

Noida

#### Achievements/Tasks

- Coding & debugging existing software. Wrote backend scripts in Erlang for payment systems
- This payment system is of Master Card client.

### Platform Engineer Fybr

11/2016 - 07/2018

Bangalore

#### Achievements/Tasks

- IoT solutions : Writing MQTT interface portal for IBM/SAP/ThingWorx. Exposing APIs for interacting with Data Server.
- GENIUS APP : Writing, designing & implementing backend server development and RESTful APIs for the mobile app. This app is for smart cities like Washington DC, Montreal, etc.
- Pre-aggregator, INSIGHTS APP: Implemented pre aggregator modules for segregating parking, timed payment violations based on hours, weeks and months.
- INSIGHTS APP : Implemented RESTful APIs and backend server development for retrieval of historical data of violations, occupied and unoccupied spaces and data analytics.This app is currently serving cities like Washington DC, Montreal, US State Department of Transportation.
- Vault Security: Written security scripts for Fybr's internal infrastructure development. These scripts are automated on the server to handle user management.



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## SKILLS

Erlang/OTP

Elixir

Javascript

MERN

Reactjs

NodeJS

Linux

Git

Express

Erlang

Java

RabbitMQ

Ejabberd

XMPP



## PERSONAL PROJECTS

### Github Search Engine

- Search github users

### THS\_X (10/2024 - 11/2024)

- Social App

### DC-InfraSight Dashboard (11/2024 - 12/2024)

- Manage & Maintain GUI for data centers
- Includes alerts, notification, ticketing service for equipments



## EDUCATION

### B.Tech Computer Science Visvesvaraya Technological University

06/2006 - 06/2010

### PG Diploma in System Software Development C-DAC: Centre for Development of Advanced Computing

06/2011 - 12/2011

#### Courses

- C , C++, Device Driver Programming, Linux device driver

## WORK EXPERIENCE

### Software Engineer Chaatz Ltd

01/2015 - 07/2016

Hong Kong

#### Achievements/Tasks

- **ChaatzLite:** Writing & developing REST API for e-Wallet chat application. Written code for version controlling which reduces the download file size and also have implemented many REST APIs.
- **Leaderboard, Game Server Development:** The development and design of REST API request handling from the client side. The entire backend handles huge quantity of request from the client side and stores the data in Mnesia & Elasticsearch database. Elasticsearch client is used to perform querying the elasticsearch database. Statistics can be observed from elasticsearch by querying through APIs.
- **Chaatzberd :** Chaatzberd is chaatz customized chat application written using ejabberd/ xmpp. Many customised modules (gen\_mod)are written to handle ejabberd events. Currently Chaatzberd has more than 400k users worldwide.

### Software Engineer Pyro Telecommunications Ltd

02/2012 - 01/2015

Hyderabad

#### Achievements/Tasks

- **BMS (Bulk Messaging Service):** Bulk Messaging Platform is a robust and flexible bulk SMS push tool, which allows users to create SMS push campaigns and monitor the ratio of messages delivered successfully at the same time.
- **TrakUrMate (Mobile Chat Messenger):** Pyro's successful very own branded Chat Messenger 'Trak Ur Mate', also known as TUM.
- **MIB/CVPS-Cum-CG:** The CVPS-CG takes consent for final confirmation for which the user has subscribed the service. The CVPS acts as a broker between SMSC and the ESME for all the transactions taking place.
- **Financial Transaction Hub(FTH):** Implemented and maintained the application which is the backbone of the FTH application and the application is integrated with the banking sector. The backend modules of FTH provide services of authentication, matching capability service and account balance in order to perform a transaction.

## EDUCATION

### MERN Full Stack Development

The Hacking School,  
HYderabad

06/2024 - 11/2024

#### Courses

- MongoDB, Express JS , React JS , Node JS

## CONFERENCES & COURSES

Erlang OTP (Beginner)

Erlang Solutions, London (UK)

- e-learning

## INTERESTS

Reading Books

Outdoor Games