

## Professional Summary

Overall **8+ years** of IT Experience in Software Development. Having **6+ years** of experience in **Python Development**

- **Python, Pyramid, Django, Flask, Bottle, mod\_wsgi, Apache 2.4, Mongodb, Sqlite3, ORM(SQLAlchemy), Jinja Template Engine, MQTT (Message Queuing Telemetry Transport) messaging Protocol, PostgreSQL, unittest, REST based API, TensorFlow, CherryPy, Paramiko**
- Experience in continuous integration deployment using Jenkins
- Video **Streaming** using **Raspberry Pi 3, OpenCV with python and Flask Framework**
- Text Detection and Object Recognition techniques using **Tensorflow**
- Experience in **AWS (EC2, S3 and RDS)**
- Integration of **Plum device** with **Python Flask** using **sparkplug MQTT** python Library
- Experience in project environment set up which includes bug management tool (**Jira**), Test case management tool (**Test Link**), Continuous integration tool (**Jenkins**)

## Experience summary

- Working as **Lead Consultant** at **ITC INFOTECH LTD, Bangalore** from December 7<sup>th</sup>, 2016 to Till Date
- Worked as a **Specialist** with **TATA ELXSI, Bangalore** from September 2015 to 9<sup>th</sup> August 2016
- Worked as a **Technical Lead** for **HCL, Bangalore** from September 2010 to August 2015

## Education

- MCA from Bullaya College, Visakhapatnam with 67% marks in 1997
- B.Sc. (Computers) from MPR College, Visakhapatnam with 65.5% marks in 1994.
- Inter from BVK College, Visakhapatnam with 62.2% marks in 1991.
- 10<sup>th</sup> from KV, Bacheli with 61% marks in 1989

## Technical Skills

<b>Operating System</b>	: Windows 95/98/NT/2K, Red Hat- Linux
<b>Languages</b>	: C, C++, Java, COBOL, VB.Net, Python
<b>Database</b>	: MYSQL, Sqlite3, PostgreSQL, Mongo VB Script, JavaScript, Ruby, Python,
<b>Scripting Languages</b>	: Shell(bash, sh) QTP-UFT 11.50, Selenium and Silktest, Robot
<b>Testing Tools</b>	: framework

**Test Mngt Tool** : HP Quality Center, TestLink, Jira

**Configuration Management Tool** : SVN, CVS and Clear Case

## Onsite Travel/Experience

Visited customers site for Transition Holding **US B1 Visa (ME)**

- United States – Webster NY(XEROX)

## Project Details

### Project1:

<b>Project Name</b>	Asset Advisor
<b>Client</b>	Keysight Technologies
<b>Technology</b>	<b>Python, Flask, Flask-Security, Pysolar, Nginx, ReactJS, psycpg2, unittest</b>
<b>Position</b>	Lead Consultant
<b>Duration</b>	Jan'19 to Till Date

Keysight is one of the world's leading electronic measurement company, transforming today's measurement experience through innovations in wireless, modular, and software solutions.

Asset advisor is a real time Asset management + Advisory product which offers real time Asset tracking, Asset health monitoring, Asset utilization, loan management and custom alert and notification in multitenancy environment.

### **Responsibilities:**

- Backend Design using Python Flask Web Framework from scratch
- ReactJS Integration with Flask
- Sparkplug MQTT integration with python
- Database modelling used Postgres
- Performed unittesting

### Project2:

<b>Project Name</b>	Smart Invoice Processing
<b>Client</b>	ITC Limited
<b>Technology</b>	<b>Python, Django, TensorFlow, Microsoft Azure, REST API, unittest</b>
<b>Position</b>	Lead Consultant
<b>Duration</b>	Jan'18 to Jan'19

It is a web application which connects to Microsoft Azure Blob, where the attachments are extracted and its relevant details are processed using Text Detection, Object Recognition techniques to obtain relevant

details. These are then populated into specified JSON format and uploaded to the Azure Queue. Which is then processed accordingly by 3rd party applications.

**Responsibilities:**

- Created Django REST API modules for integration Tensorflow Deep Learning modules.
- Created own API's for executing the test scenarios.
- Worked along with AI team and 3rd Party application team in getting them to mutual understanding and developing components which resolved integration issues in an optimal manner.
- Co-ordinated with onsite team in understanding client requirements and guiding the offshore team.
- Able to work along teams with diverse technologies and guide them to a well knitted technical solution.

**Project4:**

<b>Project Name</b>	Ford Direct
<b>Client</b>	Ford, US
<b>Technology</b>	<b>Python, Pyramid Frame Work, , Newrelic API to REST API calls, Nginx, CentOS, Mongoddb, unittest</b>
<b>Position</b>	Lead Consultant
<b>Duration</b>	May'16 to Jun '17

Ford Direct is a web-based project, majorly there are two units in this framework one is Admin Maintenance Tool (AMT) and Dealer Maintenance Tool (DMT), In AMT we have all admin right privileges, where in DMT all new enrollments will be happened in form of XML.

**Responsibilities:**

- Feature enhancement and bug fixes
- Involved in code reviews
- Logging into Jira for more info on Tickets
- Weekly calls with clients to update on tickets

**Project5:**

<b>Project Name</b>	Lifeline Vi IP with DMP(IOT)
<b>Client</b>	Tunstall Limited, Uk
<b>Technology</b>	<b>Python, Flask, Bottle Frame, Sqlite3, Apache, JSON, MOD_WSGI, shell(bash.sh), Pycharm, Git Hub</b>

<b>Position</b>	Specialist
<b>Duration</b>	Sep'15 to Apr'16

The Lifeline VI IP product shall be a new Telecare product from Tunstall, offering the user with connectivity options of GSM, GPRS, 3G and Ethernet Broadband connections to report alarms/events to ARC and seek necessary help.

The integrated system of LL VI IP, DMP & ARC shall provide:

- Ongoing monitoring of LL Vi IP status by DMP
- Software and configuration updates of LL Vi IP by DMP
- Alarm calls and background calls to Tunstall ARC via data and voice channels of Ethernet, WIFI, GSM, GPRS and UMTS.
- of Receive triggers/events from Tunstall RF Sensors (including Pendant) and Device buttons to raise alarm calls to Tunstall ARC (PNC)
- Use DTMF and Tunstall's STMF for in-band communication of alarms in TT92 ST, TT21 ST and BS8521 Protocols over GSM phone call with PNC
- Use Ethernet, 3G and GPRS interface for IP connectivity, to register with Asterisk SIP Servers and avail VoIP/SIP/IP services
- Make Voice Over IP (VoIP) Calls using SIP protocol to Tunstall ARC
- Receive Voice Over IP (VoIP) Calls using SIP protocol from Tunstall ARC
- Exchange alarm information using SCAIP with ARC over SIP
- Exchange alarm information using IPACS with ARC over UDP
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DMP is web-based application which is deployed on Cloud. Software Updates via DMP

#### **Responsibilities:**

- Development of Backend Server Side & Client Side using Python, Bottle framework
- Involved in code reviews

#### **Project6:**

<b>Project Name</b>	eCFD (Enterprise Computational Fluid Dynamics)
<b>Client</b>	ECFD, Boeing
<b>Technology</b>	<b>Python, Bottle Framework, Mongodb, Apache, JSON, MOD_WSGI, REST API, Pycharm, Git Hub</b>
<b>Position</b>	Technical Lead
<b>Duration</b>	Jul'13 to Aug' 15

eCFD is an web application. The plan are created and submitted to Boieng solvers which reside at HPC servers. The communication between Application and HCP server is done via Python service. The database used is Mongodb.

- Significant reduction is wind tunnel usage and expenses
- Spectacular improvement in the designs
- Industry best methods were used to test the flight, which minimized the risk of finding aerodynamic shortfalls in flight area.
- Reduction in cost and schedule impact

#### **Responsibilities:**

- Development of backend server using Python
- Involved in code reviews

#### **Project7:**

<b>Project Name</b>	Audio Gateway (AG)
<b>Client</b>	s1nn, Germany
<b>Position</b>	Developer
<b>Environment</b>	<b>C, CAN, S1PP, CDEF, BAP Protocols, Python</b>
<b>Duration</b>	Sep'10 - Dec'11

AG is a device for connecting Apple iPod and Mass Storage Devices. The AG is interfaced to the ZAB (in-car entertainment system's head unit/ Automotive Infotainment). When Apple iPod or MSD device is plugged in, the AG provides features like content browsing/selection and playback control from the selected device (iPod or MSD device).

Implementing Audio player functionality to Play, Stop, Pause, Forward, Backward, Scan and Shuffle the MP3, MP4, WMA, AAC-LC, Ogg Vorbis audio files stored in MSD

#### **Responsibilities:**

- Involved in coding some of the features of simulator and writing script to FF, FB, Pause, Play and resume
- Involved in code reviews
- Performed unittest

#### **Project8:**

<b>Project Name</b>	MediStream
<b>Client</b>	Rivulet Communication, US
<b>Position</b>	Senior Product Engineer
<b>Duration</b>	Feb'09-May'10
<b>Tools</b>	<b>J2EE, Java, Spring, FFMEPG 0.5, MP4Box, List_CDdrives, DVD-Author, LibVisca1.0.1, SAN, NFS, PACS, EMR(Electronic Medical Record)/RIS(Radiology Information System), Apache, Tomcat, Ldap</b>

The MediStream Video Application Solution provides the full functionality that many customers in the medical market are seeking in very integrated and compact solutions. Rivulet offers a complete managed solution that integrates local OR (operation) storage, centralized network storage / storage area network (SAN), and video streaming to local or remote viewers. The complete solution can be managed locally within the OR (operation) via a touch panel (TP) or PC interface, or remotely from a control room.

#### **Responsibilities:**

- Involved in Server-Side Programming (Servlets and JDBC)
- Involved in code reviews