

Sharon Samvel R

Platform Architect IIOT – Information Technology

PROFESSIONAL PROFILE

Working as a Platform Architect for IT applications with good knowledge on **Software Development, Server Administration & Project Management**.

WORK EXPERIENCE

Saint-Gobain India Pvt Ltd, Chennai | INDEC4.0 | July 2018 – Till Present

Key Highlights

- Good understanding on **programming languages** and **database**
- Strong knowledge on **Server & Databases Administration**
- Worked on **JIRA, GitLab - (Agile Methodology)**
- Highly Proficient in platforms like **Ignition, Grafana, Node Red, Jupyter** etc.
- Experience in **Linux shell scripting** and **managing Linux server**
- Strong knowledge on **Data Collection, Storage, Visualization & Analytics**
- Worked on **Office 365 Tool Integrations** (SharePoint, Power Automate, Power Apps etc.)
- Knowledge on **Writing & Scheduling Linux Services**
- Highly proficient in **Data Migration**
- **Quick Learner** and a **Good Team player**
- Very strong at **Presenting Ideas** and **Concepts**

Skill Set

- **Programming Skills** – Python, Shell scripting, PowerShell scripting
- **Database** – PostgreSQL, MySQL, SQL Server, INFLUX DB, Azure
- **Operating System** – Windows, Linux
- **Technologies** – MQTT, Kafka, FTPS
- **Data Collection Tools** – Node Red, Telegraf
- **Data Visualization Tools** – Ignition, Grafana, Python Tkinter
- **Data Analytic Tool** – Jupyter
- **Server Admin Tools** – Ansible, Fusion Inventory, Cockpit, Cron, KeyPass
- **Governance Tool** – JIRA, Confluence, GitLAB

Certifications

- **Ignition Core Certification** – Inductive University
- **Python for Data Science and AI** – IBM | COURSERA
- **Digital Thread: Components** – The State University of New York | COURSERA
- **Jira & GitLab** - Udemy

Projects

[Metriks – \(MES\)](#)

Skills/Tools: Python, HTML, SQL DB, Jupyter, Grafana, Azure, Office 365, Ignition, MQTT, OPC.

Features Built: MES Application with backend Historian (Data Lake) for BI tools and Supporting frontend built on Ignition for the Data Collection, Visualizing, Data Superstore, Data Analytics, Reporting etc. METRIKS flexible enough to integrate with other tools/platforms like BI, QLIKVIEW, Grafana, Node-Red etc. Application Infrastructure is built on Azure Cloud.

[Raw Material Management](#)

Skills/Tools: Python Tkinter, MYSQL, Shell Scripting, Sensors and Automation

Features Built: Developed a standalone application which could track the Raw Material being loaded along with automatic poke-yoke system for the consumption of the same. This includes an application for Quality Validation, Reports, Audit and User Role Management etc.

[Energy Management System](#)

Skills/Tools: Python, SQL, Shell Scripting, Modbus, MQTT, Energy Meters, PLC

Features Built: Application which gathers energy data in real time from energy meters installed across plant/office/site, providing insights to all stake holders. This includes energy comparison, alerting, golden batch, Historian, product & status based energy comparison, reports etc. This application can lead us to energy saving and benchmarking.

[ProClient – Linux Based Industrial PC](#)

Skills/Tools: Ansible, Fusion Inventory, Cron, Shell Scripting, YUM Repo

Features Built: Linux Based OS customization with predefined Packages for the ease of data collection, storing and buffering, making IIOT standards and protocols easy for the end customer. This includes 24/7 Support Monitoring Dashboards, Alerts & Ticketing system, Inventory Management, Rights Management and Patch Management with Intranet YUM Repo. Offering a full package for IIOT projects

EDUCATIONAL HISTORY

Course	Institution	Examination Authority	Year of Passing	% of Marks
B.E (Mech)	Thiagarajar College of Engineering	Anna University	2018	8.91 CGPA
Higher Secondary	ST FR Xavier's HSS School	State	2014	96.42
SSLC	Xan Matric School	State	2012	95.8

MYSELF

- Self-motivated, Agile and highly flexible to adapt changes.
- Highly responsible and extremely result oriented.

Contact Me at

Email : samvel1896@gmail.com

Mobile: <https://www.linkedin.com/in/sharon-samvel-629017169>

Mobile: 9629690502

SELF DECLARATION

I hereby declare that all the above mentioned information's are true to the best of my knowledge.

Date:

Place: Chennai

Signature

Sharon Samvel R