SATHIANARAYANAN. R **e-Mail ID : rsathianarayanan@gmail.com**

Mobile No. : +91 97903 31882

OBJECTIVE:

To extend all my efforts to the Growth and Development of the Organization.

To apply innovative and Creative Ideas in making the Organization a Leading Runner in the Competitive World.

EDUCATIONAL QUALIFICATION:

MCA (2008-2011) at Bharathiyar University, Coimbatore, with **63%.**

BSc in Computer Science (2006-2008) at Annamalai University, Cidambaram, with **61%**.

HSC (2002-2003) at Govt. Boys Hr. Sec. School, Mecheri, Salem, with **54%**.

SSLC (**2000-2001)** at Govt. Boys Hr. Sec. School, Mecheri, Salem, with **57%.**

PROFESSIONAL EXPERIENCE:

Senior Software Architect – 4th January 2012 - till date (10 years and 8 months) in Applied Automation Systems Private Limited, Coimbatore.

EXPERIENCE SUMMARY:

- Functional domain experience involves Textile Automation Projects.
- Expert in developing & debugging applications in Java and JavaScript development.
- Expert in developing Client-Server, Real-Time applications in JAVA with PostgreSQL.
- Worked with Hardware Interface Communication Devices for establishing various types of Communications such as MODBUS TCP/IP and TCP/IP in Textile Oriented Machines.
- Worked with AIO 410 I/O Board for establishing the above mentioned Communications.
- Communicated with Weighing Balances for various Textile Applications.

TECHNICAL SKILL:

- **Language** : C, C++, Java, PHP and Python
- **Framework** : Django
- **Database** : Postgre SQL, MySQL
- **Web Designing Tool** : HTML5, Css 3, Jquery, JavaScript(ES6), Bootstrap 5

JOB RESPONSIBILITY:

- Design & Developing Real-Time Applications for Textile Oriented Automation.
- Developing Open Source Applications.
- Accountable for technical, functional, schedule and quality success of assigned task or activity.
- Responding promptly and professionally to bug reports, review and repair legacy code.
- Communicating and interacting other teams for system integration.
- Prepare the release notes for developed products.
- Giving extended hours support to resolve production issues and project Go Live.

PROJECTS IMPLEMENTED:

1) Cascade - Stretch Control System

Technical Environment	: C, Java, J2EE, AJAX, HTML, CSS, Javascript
Platform	: Linux
Database	: PostgreSQL
Framework	: Struts 1.0
Web Server	: Apache Tomcat.
Tools	: Net Beans IDE.
Role/Responsibility	: Analysis, Design, Development, Implementation.
Hardware Interface	: AIO410 Board.
Team Size	: 3 Members.

Project Description :

Cascade is a comprehensive Wrapping for spinning mills from Applied. Cascade goes beyond mere statistical computations to provide for a complete system for wrapping analysis. Cascade offers comprehensive wrapping tests from Blowroom to Winding. Cascade can be easily operated because of its user friendly system interface and auto start – return of lea Strength testing. Cascade Stretch Control System reads the ADC value from the load cell and calculates the strength value of the lea.

2) ProPreparatoryLnx:

Technical Environment	: C, Java, J2EE, AJAX, HTML, CSS, Javascript
Platform	: Linux
Database	: MySQL
Framework	: Struts 1.0
Web Server	: Apache Tomcat.
Tools	: Net Beans IDE.
Role/Responsibility	: Design & Development. (5 Modules)
Team Size	: 4 Members.

Project Description :

The ProPreparatoryLnx is a powerful Spinning Online Production Management System for departments ranging from Blow-Room to Ring Spinning and Auto Cone Winding. It offers flexible solutions to typical production management problems and is available in Single-User and Multi-User configurations. An impressive number of more than 100 installations of ProPreparatoryLnx verify this. ProPreparatoryLnx acts as a front end to a back process deploying state-of-the-art PLCs and communication tools to realize networked Production Management System. ProPreparatoryLnx offers all the benefits of the Linux environment and is implemented using Client Server architecture. In addition the back process could employ multiple vendor PLCs and Control Electronics. Standard interfaces are used to link to these. The open architecture of ProPreparatoryLnx is further evident in the wide range of machinery models and Ring Frame drive systems supported**.**

3) AIO410 HAS (Hotel Automation System):

Technical Environment	: C, Java, J2EE, AJAX, HTML, CSS, Javascript
Platform	: Linux
Database	: MySQL
Framework	: Struts 1.0
Web Server	: Apache Tomcat.
Tools	: Net Beans IDE.
Role/Responsibility	: Design & Development.(3 Modules)
Hardware Interface	: AIO410 Board.
Team Size	: 3 Members.

Project Description :

The AIO410 (Hotel Automation Systems) is an Ethernet based remote IO module. This project has automated the building like ON/OFF Room Light, Fan, TV, Computer System, etc., through Ethernet and WI-Fi Input/Output Communication. This project has the facility to handle upto 80 Digital IOs. Among the 80 Digital IOs, specific IO' can be configured to be either Inputs or Outputs. A variant of this AIO410 is available and this API reference particularly caters to this variant. In this AIO410 variant only 20 IOs (Digital Inputs and Outputs) are supported, and preconfigured with the first 16 as Digital Outputs and the last 4 as Digital Inputs.

4) ProMDBSLnx (Pro Multiple Database Synchronization)

Technical Environment	: Java.
Platform	: Linux
Database	: MySQL, PostgreSQL & MS Access.
Tools	: Net Beans IDE.
Role/Responsibility	: Analysis, Design, Development & Implementation.
Team Size	: 2 Members.

Project Description :

The ProMDBSLnx Server software is a tool that can be used to perform a variety of Multi Database conversions and other interface tasks dynamically. For the Scatter operation, some or all fields from an input database table can be scattered onto different fields in one or more output database tables. For the Gather operation, some or all fields of an output database table can be updated by gathering the values found in fields from one or more input database tables. The input and output database tables can be from any database system among MySQL, PostgreSQL, MS-Access, MS-SQL, Oracle etc..,

4) PSA MOP (Iiot Controller for Medical Oxygen Plant)

Technical Environment	: Python, HTML 5 CSS3, JavaScript, Java.
Platform	: Linux
Database	: MySQL
Role/Responsibility	: Analysis, Design, Development & Implementation.
Team Size	: 5 Members.

Project Description :

All sensor data from an Oxygen plant is transferred to the server by the help of Terrier IIot Controller, which is attached to the PLC, allowing us to monitor it using a web Application.
MQTT Transfer Protocol is used to transfer all data to the server. The web application will help you to monitor oxygen Purity, Pressure and Flow.
(Combined with NIC & DRDO) - TESTING-OXYMON DASHBOARD Involved in requirement gathering, architecture designing, development, testing, delivery and post-delivery support and maintenance activities

4) Customer CLV Prediction Using Machine Learning

Technical Environment	: Python, HTML 5 CSS3, JavaScript, Django.
Platform	: Linux
Database	: MySQL
Role/Responsibility	: Analysis, Design, Development & Implementation.
Team Size	: 5 Members.

Project Description :

Undertaking data collection, preprocessing and analysis. Building models to address business problems. Presenting information using data visualization techniques.

PERSONAL PROFILE:

Name	: R. Sathianarayanan.
Father's Name	: C. Ranganathan.
Date of Birth	: 20.05.1986
Gender	: Male.
Nationality	: Indian.
Religion	: Hindu.
Language known	: Tamil & English. (Read, Write & Speak)
Marital Status	: Married.
Address	: 9/91A, Nehru Nagar West, Civil Aerodrome Post, Coimbatore – 641 014.

DECLARATION:

I here by declare that all the details furnished above are true to the best of my knowledge.

Date : Yours faithfully,

Place :

(SATHIANARAYANAN. R)