

MURUGAN S

SOFTWARE DEVELOPER

CONTACT

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SKILLS

- C#
- OOPS
- .NET Framework
- .NET Core
- Web API
- Windows Application
- Web Application
- JQuery
- Javascript
- SQL Server
- HTML
- CSS
- Postman
- Industrial Automation
- IOT
- Embedded Systems
- PLC Basics
- Leadership
- Teamwork



PROFILE

8 years of total experience, including 5 years in software development and 3 years in electronic design and equipment automation.

- Software Development (5 years): designing scalable web applications, Windows applications, IoT solutions, and MES integrations. Passionate about optimizing industrial automation and enhancing operational efficiency.
- Electronic Design & Automation (3 years): Expertise in electronic design, development, and equipment automation, focusing on system efficiency and performance improvement.

Adept at self-managing independent projects while excelling in collaborative team environments.



WORK EXPERIENCE

- Salcomp Technologies India Pvt Ltd

MAR 2020 - PRESENT

MES SoftwareDeveloper

 - Design and develop modules for the MES system tailored to specific manufacturing processes.
 - Integrate MES with other systems such as SAP. Ensure seamless communication between factory-floor equipment and higher-level business systems .
 - Develop and optimize database schemas, queries, and stored procedures for managing production data.
 - Provide technical support for MES-related incidents and make modifications when necessary.
 - Developed interactive dashboards that improved production efficiency by providing real-time insights to supervisors and management.
 - Implement IoT solutions to capture, process, and analyze real-time machine data, enabling predictive maintenance and enhancing operational efficiency
- Rising Stars Mobile India Pvt Ltd

DEC 2018 – NOV 2019

Flextronics Technologies India Pvt Ltd

MAY 2018 – DEC 2018

Test Maintenance

 - Perform routine inspections, troubleshooting, and diagnostics to maintain optimal machine performance, coordinating repairs and upgrades as needed.
 - Collaborate with cross-functional teams to integrate new technologies into testing equipment, enhancing efficiency and reliability.

LANGUAGES

- Tamil
- English

UTSAVGIRI Computers & Electronic India Pvt Ltd

OCT 2016 - OCT 2017

Design And Development

- Design and develop Switched-Mode Power Supplies and lamination transformers, optimizing efficiency, size, weight, and cost, while conducting thermal analysis, simulations, prototyping, and testing to ensure performance, safety, and reliability



PROJECTS

Manufacturing Execution System

- **Master Configuration Page** - MVC Web application where all configuration details are managed.
- **User Configuration Page** - MVC Web application which provides detailed scheduling of manufacturing processes.
- **Report Portal** - MVC Web application where the get all customized data visualization report.
- **Windows Application** - MVC windows Form executable files are product traceability purpose and stage by stage moving material usage. Through Web API handling backend logic
- **WEB API** - Seamless communication between clients and the system, enabling remote control, data access, and interaction with MES and IoT components.

IoT System - MES Interface

- **Server Room Temperature and Humidity Monitor** - Monitors temperature and humidity in the server room using IoT sensors. Data is sent via Web API for real-time tracking, alerts, and historical analysis to prevent overheating.
- **Real-time Power Consumption Monitoring system** - Tracks real-time power usage of equipment using IoT energy meters. Data is transmitted via Web API for efficiency analysis, anomaly detection, and predictive maintenance.



EDUCATION

M.KUMARASAMY COLLEGE OF ENGINEERING

2012 - 2016

Bachelor of Engineering in Electrical and
Electronics Engineering