

Sidharth Raj

Software | IoT | Automation

Agile Software Engineer talented at contributing to multi-team development projects. Collaborative Project Engineer thrives in cross-team and multi-vendor environments. Solution-oriented problem solver with excellent communication and leadership skills with background in software project engineering and engineering product development.

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WORK EXPERIENCE

Software Engineer

Honeywell Intelligrated

02/2020 - Present

Mason, OH

Tasks

- Leverage C# and C++ skills to configure machine control solutions running conveyors and high speed sortation systems for large scale material handling projects.
- Deploy custom warehouse automation solutions, cross-team troubleshooting and project debugging for major e-com companies.
- Database management and debugging.

Software Intern

Honeywell Intelligrated

08/2019 - 12/2019

Mason, OH

Tasks

- Extensive management of DBs working along-side Honeywell's proprietary software to configure various customer sites.

PERSONAL PROJECTS

Custom i3 FDM 3D Printer - DDE (2021 - Present)

- Modified a cartesian style Ender 3 printer with improved linear motion, efficient electrical upgrades and carefully tuned firmware for fast high quality fabrication.

HomeAssistant - RPi|Arduino|ESP (2021)

- Agile development of low-cost modules to capture daily routines, collect event based data and execute assistive commands.
- Motion-tracking w/ smart lighting; Vision-based front door security w/ radar sensed presence detection; garden management system w/ smart irrigation and env sensing and reporting*

Document Automation Tool [DAT] (08/2019 - 10/2019)

- Developed proprietary application for Honeywell to generate proposals and contracts on-the-go.
- WFA designed and developed on C# (.NET) capable of creating a new document and editing an existing document.
- Reducing the existing time taken to develop a document from 40 mins to < 10 mins, estimated to save Honeywell over 50% each year.

EDUCATION

M.S. Computer Engineering

University of Texas

08/2017 - 12/2019

Arlington, TX

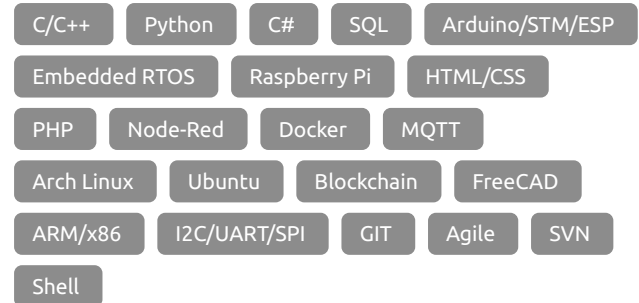
B.Tech. Electronics and Instrumentation

S.R.M University

06/2013 - 05/2017

Chennai, India

SKILLS



ACHIEVEMENTS

Bravo Award - Bronze

Honeywell - Think big Then make it happen

Blockchain challenge

Ranked #3 in the intra-department blockchain event.

CERTIFICATES

Yokogawa

Distributed Control System

Design for Six Sigma

Software Application

ORGANIZATIONS

JCrayTech (05/2021 - Present)

Advisor

SPIE - SRM Chapter (2015 - 2017)

Treasurer

Delhi Public School (2015 - 2017)

Student President - Quiz Society

Somerville School (2010 - 2011)

Head Boy - Scholastic

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency