





Joel Prashanth D

Senior Engineer

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Profiles

 [Joel Prashanth](#)

 [joel-prashanth](#)

Summary

Experienced professional with a strong technical background and expertise in reviewing project requirements to determine precise solutions in various settings.

Experience

Robis - Motherson	September 2024 - present
Senior Engineer	Chennai, India
<ul style="list-style-type: none">Proficient in evaluating and creating middleware solutions for hardware systems.Engineered efficient middleware for asset tracking enhancement improving tracking reliability, resulting in fewer location discrepanciesWorked on BLE technology implementation for industrial IoT asset tracking.	

Robis-Motherson	July 2023 - September 2024
Postgraduate Engineer Trainee	Chennai, India
<ul style="list-style-type: none">Contributed to the development of a User Interface for our Warehouse Fleet Management Application.Worked with various departments to meet task deadlines.Researched current advancements in IoT for asset tracking.	

Education

Karunya Institute of Technology and Sciences	June 2023
Robotics and Automation	M.Tech
8.5	
Developed a long-range autonomous Search and Rescue Drone:	
Built a 7-inch long-range autonomous search and rescue drone with off-the-shelf components like a Pixhawk flight controller, BLDC motors and D-Shot ESCs.	

Gandhi Institute of Technology and Management	June 2020
Electronics and Communications	B.Tech.
7.9	
Worked on a GSM-based GPS positioning system and a GPS-based RTC.	

Projects

RobiSOF FMS	April 2024 - ongoing
A warehouse Fleet Management Software	
Collaborated with my team in the development of Robot UI for a Warehouse Fleet Management Software built with ROS web tools and Web Technologies (HTML, CSS, JS, and Angular). Developed features like:	
<ul style="list-style-type: none">Robot LocalizationPoint-to-Point NavigationMap Saving and Editing.	

R-Asset Tracking (v 1.01)	August 2021 - ongoing
An asset tracking software	
Developed middleware code for an existing asset-tracking project with BLE and solved the issue of signal interference while tracking assets with BLE where the customer's main goal was to track the asset movement in and out of the plant.	

Skills

Technical Research and Reporting
Conducted thorough research for new technology adoption for IOT business segment.

Middleware Development and Integration
Python-based middleware development for BLE devies.

UI Development
Web Technologies like HTML, CSS, JS and Angular along with ROS web tools.

Hardware Evaluation
Evaluated data from new IOT hardware as a part of new technology adoption.

Project Execution
Implemented new middleware onto existing asset tracking project successfully.

Resource Management and POC Implementation
Collaborated with cross-company officials for POC implementation on-site.

Experienced in Collaborative Team Environments
Collaborated with multiple teams in the organization to achieve desired results.

Interests

Reading
Non-fiction, Fiction, Fantasy

Drawing
Pencil-art

Languages

Telugu
Native
◆ ◆ ◆ ◆ ◆

English
Proficient
◆ ◆ ◆ ◆ ◇

Hindi
Proficient
◆ ◆ ◆ ◆ ◇

Tamil
Beginner Proficiency
◆ ◇ ◇ ◇ ◇