

Karan Raj Pradhan

Engineering Manager | Product Developer

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LINKS

[LinkedIn](#), [Github](#)

PROFILE

I began my career in the hardware domain, designing electronic schematics for IoT and data acquisition devices, and later transitioned into the software domain, where I developed firmware for these devices. As an engineering manager, I led a team of up to 10 professionals, overseeing all technical deliverables and driving the organization's success. My leadership played a pivotal role in significantly increasing the company's revenue from the ground up.

EMPLOYMENT HISTORY

Dec 2022 — Jun 2024

Engineering Manager, IoTReady.co

Bengaluru

- Successfully managed operations in deploying traceability platforms for the largest online grocery platforms nationwide, driving enhanced supply chain visibility and product traceability for 100% of their products.
- Successfully negotiated and executed a strategic outsourcing agreement, resulting in the outsourcing of a significant portion (at least 80%) of manufacturing operations.
- Strategically reallocated internal resources, particularly towards Research and Development (R&D), resulting in an increase in prospective products/variants in the pipeline.
- Pivotal liaison between internal development teams and multiple clients, translating client requirements into actionable development plans, ensuring seamless execution and delivery of solutions.

Feb 2021 — Nov 2022

IoT Technologist, IoTReady.co

Bengaluru

- Played a major role in the development of an end-to-end traceability solution that provides traceability of all operational activities of a warehouse, such as purchases, GRNs, Material Transfers, Packaging and Labeling.
- Conducted meetings with leading online grocery platforms in India, to understand their unique challenges and common pain points. Leveraged this knowledge to identify opportunities for IoT-based solutions and provide tailored recommendations.
- Developed and deployed devices and technologies that resulted in substantial cost savings for clients. Implemented innovative solutions that optimized processes, improved efficiency, and enhanced overall operational margins.
- Led firmware development for multiple products using C language and FreeRTOS.

Jan 2019 — Jan 2021

Electronics Engineer, IoTReady.co

Bengaluru

- Spearheaded the development of firmware for a global deployment of over 50,000 existing devices, resolving their existing inter-device communication challenges by transitioning communication from Bluetooth to WiFi mesh technology.
- Led a cross-functional team in the end-to-end firmware and hardware development process, from initial design to integration and testing.

Mar 2018 — Dec 2018

Hardware Engineer, Xlayer Technologies Pvt Ltd

Bengaluru

EDUCATION

Aug 2013 — Aug 2017

B.Tech, Electrical and Electronics, Sikkim Manipal University

Sikkim

- Built a three-phase inverter for BLDC motor driving as part of a university-funded project for an e-gokart.
- Served as a senior volunteer for sports in one of the largest college festivals in North India.

SKILLS

Internet of Things(IoT)

RTOS

Traceability

C, Python

Product Development

MQTT, Bluetooth, WiFi, REST

Github