



Innovative Electronics For You

M. B. Control & Systems Pvt. Ltd.

CIN : U67120WB1980PTC033012 | PAN : AABCM7980K | GST NO. : 19AABCM7980K1ZU

Registered & Corporate Office

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M.B. Control & Systems Pvt. Ltd, is an ISO-9001 company. Since our inception in 1983, we have been committed to provide innovative electronic systems and equipment for control and monitoring of industrial processes. We design, manufacture, install and commission industrial electronics systems on turnkey basis.

Our system solutions are suitable for Energy management systems, Weather Monitoring Solutions, Telemetry Systems, Remote Data Collection System, Remote Meter Reading Solutions, RTU Control Panels and Systems, SCADA systems and Sub-Station Automation Systems. Required energy reports are provided as part of the system.

Our team of experts is available to dispense expert technical support, and provide technical solutions to questions ranging from generic to complex. We consider excellence of products and service as a key to gaining customer loyalty and satisfaction. We have pan India presence via dealer and distribution network.

All the products we offer can be viewed on our website www.mbcontrol.com. We have clients such as in power generation (wind, solar, hydro etc.), OEM, Transmission, IPP, CPP, Heavy Industries etc.

Achieve your potential - build an exciting career

Discover the opportunity to join a dynamic, and responsible company that fosters the development of all its people and communities around the world. Every day, we challenge employees to achieve more and experience exciting careers.

JOB PROFILE:

We are seeking a skilled and motivated IoT Engineer to join our engineering team. The candidate will be responsible for designing, developing, integrating, and supporting Industrial IoT (IIoT) solutions for Power Systems, Renewable Energy, SCADA, Telemetry, Meteorological Monitoring, and Energy Management applications. The role involves working with field devices, communication networks, cloud platforms, edge computing systems, and industrial protocols to enable reliable real-time monitoring and analytics solutions.

Designation: IOT Engineer

Department: Research & Development

Reports to: Senior IOT Engineer

Location: Full Time On-Site, Howrah

Key Responsibilities:

- Design and implement IoT/IIoT solutions for power and renewable energy applications.
- Design, build and deploy scalable, multi-tenant IoT Platforms and Real Time Telemetry Systems.
- Develop and maintain communication interfaces using protocols relevant to Industry Standards.
- Design, develop and maintain mobile applications for Android and iOS that interact with IoT devices and cloud services.
- Develop dashboards, APIs, and data acquisition systems for remote monitoring and analytics.
- Work with databases, cloud platforms, and server environments for IoT data management.
- Coordinate with software, hardware, and project teams for deployment and commissioning activities.
- Prepare technical documentation, system architecture diagrams, reports, and customer submissions.
- Perform factory testing, field commissioning, troubleshooting, and remote diagnostics.
- Ensure cybersecurity, data integrity, and reliable communication architecture for IoT systems.
- Support customer approvals for system architecture, communication design, and technical documentation.

Required Skills & Technical Knowledge:

- Strong understanding of Industrial IoT and automation systems.
- Proven ability to design, build, and deploy multi-tenant IOT platforms and real time Telemetry Systems.
- Experience in backend API Development, cloud deployment strategies, and building scalable backend systems.
- Experience in UI/UX dashboard design and development of complex industrial IoT monitoring applications.
- Familiarity with Linux/Windows server environments and networking concepts.
- Experience with cloud platforms such as AWS, Azure, or Google Cloud.
- Experience with Node.js and JavaScript, with Express REST APIs in production
- Understanding databases such as MongoDB and Mongoose, including schema design, queries, and indexes.
- React — hooks, routing, state management, and a component library such as MUI
- Deep understanding of MQTT – Mosquitto, MQTT 5, QoS levels, retained messages or similar pub/sub messaging.
- Ability to develop cross platform mobile applications using Flutter, React Native, Native Android, Kotlin, Native iOS.
- Ability to troubleshoot field communication and hardware integration issues.
- Working fluency with AI coding agents (Claude Code, Cursor, Copilot or similar), including reviewing their output critically and owning every line that ships.
- Drive an agent through real work — multi-file changes, refactors, debugging against live hardware — not just autocomplete.
- Write and maintain the context that agents run on: project specs, plans, open-item registers, CLAUDE.md/AGENTS.md files, and reusable skills
- Set up guardrails — hooks, gated workflows, permission settings — so an agent's output stays reviewable and safe
- Prior experience with Claude Code, Cursor, Copilot or similar is expected.

Preferred Skills & Technical Knowledge:

- Bluetooth Low Energy – GATT services, characteristics, MTU, notifications, connection lifecycle.
- Python for tooling, test harnesses, and device simulators.
- Knowledge of industrial protocols and hardware such as Modbus RTU, RS-485, XBee, IEDs, Energy Meters, Sensors.
- SCADA, Energy or utility domain experience.

Qualifications:

- Bachelor's Degree in Electronics, Electrical, Instrumentation, Computer Science, or related Engineering field.
- Minimum Experience 6 years
- Ability to manage multiple projects and priorities.
- Strong analytical and troubleshooting skills.
- Good communication and documentation abilities.
- Ability to work independently and in multidisciplinary teams.
- Location: Howrah