

Job Description

Job Title – Lead Solution Architect – AMI

Location- Gurgaon/ Mumbai

Company Overview

Meshmerise Networks Private Limited, a subsidiary of CWD Limited, is a global leader in secure, reliable narrowband RF mesh and AI Super Cellular solutions. We provide the foundational fabric for the Industrial Internet of Things (IIoT), connecting the critical infrastructure that powers modern cities and utilities. Our technology enables unprecedented efficiency, control, and sustainability for our clients worldwide. Join us in building the connected future of critical infrastructure. For more details, please visit [website](#).

Role Purpose

We are seeking an experienced and technically grounded Lead Solution Architect – AMI Platforms & Systems Integration with a proven track record in end-to-end AMISP/AMI engagements. The ideal candidate has deep hands-on experience in smart metering infrastructure, having worked in Tier-I AMISP/OEM environments managing full-cycle AMI delivery.

The architect will be responsible for designing, validating, and delivering interoperable, scalable, and standards-compliant AMI solutions across metering, communication, HES/MDMS, and utility IT ecosystems. This role demands both strategic architecture leadership and tactical execution to ensure that AMI platforms perform reliably at utility scale.

Key Responsibilities :

End-to-End AMI Architecture

- Architect complete AMI systems including smart meters, NICs, RF/PLC/NB-IoT/Cellular communication, HES, MDMS, integration middleware, cloud platforms, and enterprise utility systems.
- Design secure and scalable data flows, command & control workflows, onboarding processes, and event handling across millions of devices.
- Validate AMI performance KPIs: FRS, SLA compliance, command round-trip, communication latency, and throughput.

Use Case Design & Validation

- Validate solution components across diverse utility use cases
- Conduct gap sensing and solution blueprinting to ensure field interoperability, scalability, and SLA-driven operations

Systems Integration Leadership

- Lead design, configuration, and optimization of integrations between field devices and backend systems using:
 - DLMS/COSEM, IEC standards
 - CIM-based integration (IEC 61968-9/100)
 - Apache Kafka, REST APIs, ESB
- Work cross-functionally with software, cloud, validation, security, and managed services teams to ensure end-to-end orchestration.

Customer Alignment & Technical Governance

- Participate in customer requirement studies, solution workshops, and functional/business alignment meetings.
- Drive BoQ formulation, pre-sales solutioning, bid responses, and technical documentation.
- Represent the organization in technical governance forums, utility committees, and AMI standardization workshops.

Strategic Ownership

- Own solution design integrity, scalability, and long-term architectural evolution.
- Make authoritative decisions on hardware, firmware, software platforms, and integration choices.
- Guide rollout strategy, exception handling, commissioning processes, and cross-vendor interoperability.

📧 **Interested?**

Send your resume or portfolio to talent@meshmerise.ai with the subject line

📧 "Application for Lead Solution Architect – AMI"

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Education & Experience:

- 10+ years of hands-on experience in Smart Metering (AMI) in Tier-I AMISP or OEM environment.
- In-depth understanding of:
 - AMI architecture (Meters–NIC–Network–HES–MDMS)
 - RF Mesh, PLC, NB-IoT, 4G/5G
 - DLMS/COSEM, OBIS, LLS/HLS, HDLC
 - Network topology and field deployment considerations
 - Strong integration expertise with CIM, Kafka, REST APIs, microservices, ESB.
- Ability to bridge field, firmware, cloud, and platform expectations.

Professional Competencies

- Strong analytical and problem-solving skills
- Excellent communication and teamwork abilities
- Ability to work independently and manage multiple priorities
- Continuous learning mindset and adaptability to new technologies
- Attention to detail and commitment to quality
- Leadership potential and mentoring capabilities

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