Rahul Kumar Verma

Technical Expert (Smart Metering and Communication) in Schneider Electric

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I am seeking a challenging position in the field of **Energy and Utility Domain** to utilize my **17+ years** of extensive experience in Smart Metering, AMI, AMR, HES, MDM, OMS, DSO, SAP-ISU-DM, RF Mesh, Cellular, PLC, Electrical Distribution and Energy Audit projects.

Major End to End Projects in India:
- AMI Rollout for TANGEDCO in Tamil Nadu.
- AMI Rollout for HPSEB in Himachal Pradesh.
- AMI Rollout for JVVNL TN71-TN72 in Rajasthan.
- AMI Rollout for MPWZ-2 in Madhya Pradesh.
- AMR RAPDRP Pilot Project in Chandigarh.

Major End to End Overseas Projects:
- Billing and Invoicing rollout for DEWA, Dubai with SAP ISU CCS.
- Middleware development for Itron MDM, and SAP-ISU-Billing Modules.
- Australia AMI deployment with Silver Spring NIC and Itron Solutions.
- Silver Spring NIC card integration with existing meters in Itron Jackson UK.
- System Integration of Itron TMS, TMS Config, MDM, and smart meters.
- Project go live for Great Britain Prepayment Smart Metering.

Experience with Smart Meter Partners:
- Schneider Meters, L&T Meters, and Veris Meters (Residential, C&I)
- Genus Meters (Residential, C&I)
- GE Meters i210 series, GE Meters KV2c Series (Residential, C&I)
- Itron Centron, Itron Sentinel (Residential, C&I)
- Secure Meters (Prepayment and Credit)

Experience with MDM Partners:
- BCITS - bSmart MDM – for JVVNL and TANGEDCO
- Esyasoft -for MPWZ and HPSEBL
- Itron Enterprise Edition - MDM, TMS, TMS Config, MTS – for Itron Jackson and Australia

Experience with Network Partners:
- Panel Server Gateway, Link 150 [TCP/IP] (Schneider)
- RF Mesh Module and Gateway (Cyan Connode)
- NIC410 (Silver Spring Network)
- ITRON 57ESS ERT SMART sync (Itron, US)

Communication Protocols:
- DLMS, ANSI C12, Modbus RTU and TCP/IP, etc.

Role and Responsibilities:
- Monitor project progress as per the scheduled deadlines and take necessary steps to ensure the completion within time, cost, and quality parameters.
- Analysis of customer feedback report and online survey, Study of competitor products and propose revised document for New Product Development.
- Engaging and coordinating Business Analysis sessions with the development team and sales team to identify gaps between RFP and our existing solution.
- Provide feedback to other TPO's (Technical Product Owners) for the evolution and modifications in the product, based on customer input, their specifications, and standards.
- Developing relationships with key decision makers in organizations for business development.
- Monitor the dry run of the project closely, make reports and share with all stakeholders.

Current Project Summary: (Integration of Smart Meter-HES-PME)

- Improvement of VEE (validation estimation and editing).
- Improvement of MPAD (Meter programming, activation, and deployment) process.
- Improvement of RMA (Return material authentication) process.
- Implementation of RBAC (Role back access control) features.
- Improvement of Meter re- reprogramming through OTA (over the air) process.
- Asset Management Queue feature for Meter and Communication Modules.
- Scheduler Enhancement for Billing and Invoicing Data Export.
- Logic modification of event failure queues, diagnostics, and restoration timeline on DSO.
- Validation of Exceptional management between meter and application while provisioning.

Current Job Description:

- Product Owner of Power Metering Expert-NG (SM-HES-MDM-PME) for EDF.
- Coordination with NPD, business development team, stakeholders, PO and TPO's.
- PI Planning with different squad, scrum masters and team members.
- Project Monitoring and completion within time, cost, and quality parameters.
- Coordinate with L2, L3 Support Team for existing client queries and resolutions.

Work Experience:

Company	Duration	Role and Responsibilities
Schneider Electric, Bangalore	Oct'21 - till date	Product Owner – PME-NG
Cyan Connode, Gurgaon	Sep'20 - Sep'21	Lead Solution Engineer - AMI Projects
Mishi Solutions, Pune	2017 - 2020	Energy Business Development
Benison Technologies, Pune	2015 - 2016	SAP MDM Integrator
Symphony Teleca, Bangalore	2013 - 2015	Energy Consultant – Itron Australia MDM, TMS
Aricent Technologies, Bangalore	2012 - 2013	Sr. Energy Consultant – Itron Jackson MDM, MTS
Secure Meters Limited, Udaipur	2008 - 2012	Meter Test Consultant – Smart Metering
Dynamic Elecpower, Bhilwara	2003 - 2005	Embedded Developer – 1-P Energy Meter

Software Skills:

Project Management:	Agile with Scrum Framework
Language (Expert):	Python for Data Science
Language (Intermediate):	Embedded C, AWS Cloud
Language (Basic):	SQL, Java, html, CSS, JS
Web Services:	SOAP and Restful API
Defect Management Tool:	Jira, TFS and Zoho
Database:	MySQL, MongoDB

Other Responsibilities:

- Network planning of Gateway Installation using GPS coordinates.
- Fault rectification between Gateway, NIC card, and Smart Meter.
- Integration of RestAPI between HES and MDM System.
- Problem solving and support for AMI End to End Solution.
- Coordination of SLA reporting, Gateways Health, and other supports.
- Firmware Design and Development of Energy Meter, IHD.
- Server Scripting in Python, for API, Requests, Web Crawling, Database etc.

Education

2022-24	**Pursuing MBA** in Power Management from UPES University, Uttarakhand
2005-08	**B.E. in** Electrical Engineering from Regional College of Engineering, Jaipur
2000-03	Diploma in Electrical Engineering from Government Polytechnic College, Ajmer

Location: Bangalore   Rahul Kumar Verma