

Role of Business Analyst (BA) in Blockchain-Based Energy Trading

Business Analyst Responsibilities (Page 1):

In this project, the role of a Business Analyst (BA) is to bridge the gap between the technical team and stakeholders such as energy providers, consumers, and regulatory bodies. The BA ensures the successful integration of blockchain-based energy trading into an AI-driven smart appliance control system.

1. Requirement Gathering and Analysis:

- Stakeholder Communication: Interact with stakeholders to gather their needs.
- Defining Use Cases: Identify scenarios benefiting from blockchain-AI synergy.
- Business Needs Analysis: Evaluate impacts on cost savings and sustainability.

2. Feasibility Study:

- Technical Feasibility: Ensure proposed solution aligns with goals and infrastructure.
- Cost-Benefit Analysis: Compare expected benefits with implementation costs.

3. Process Mapping:

- Design processes for energy trading, interaction with blockchain, and transaction flows.
- Ensure processes are efficient, intuitive, and meet business goals.

4. Regulatory and Compliance Considerations:

- Research energy trading regulations and ensure solution compliance.
- Align all stakeholders with the regulatory framework.

5. Defining System Requirements:

- User Stories & Functional Specs: Create detailed specs aligned with business needs.
- Security Requirements: Address data privacy and transaction integrity via blockchain.

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Business Analyst Responsibilities (Page 2):

6. Change Management:

- Adoption and Training: Train users including households and utility companies.
- Feedback Collection: Gather insights post-deployment for continuous improvements.

7. Communication and Reporting:

- Stakeholder Updates: Maintain ongoing communication and deliver status reports.

The Business Analyst plays a key role in aligning technical development with business strategy, ensuring that the final product is useful, compliant, and scalable for energy trading using smart technologies.

By working with both the development team and business-side stakeholders, the BA ensures the delivery of a system that not only functions well but meets real-world energy consumption and trading needs efficiently and securely.