

JD API / Data Integration Lead

Location: Sunway Nexis, Kota Damansara (Onsite)

Availability: Candidates who can join immediately or within short notice are highly preferred.

Role Summary

The API / Data Integration Lead is responsible for leading the design, development, implementation, and management of end-to-end data integration solutions across multiple systems, applications, databases, and external data sources. The role ensures reliable, secure, scalable, and efficient data exchange through APIs, integration services, and automated data pipelines to support the project's operational, analytics, and reporting requirements.

Key Responsibilities

- Lead the overall API and data integration architecture, design, development, testing, deployment, and support.
- Design and implement RESTful APIs, web services, microservices, and system-to-system integrations.
- Develop and manage ETL/ELT pipelines for data ingestion, transformation, consolidation, and distribution.
- Integrate data from multiple government agencies, external systems, databases, applications, and third-party platforms.
- Establish appropriate API gateway, authentication, authorization, encryption, rate limiting, logging, and monitoring mechanisms.
- Lead data mapping, transformation, validation, cleansing, standardisation, de-duplication, and reconciliation activities.
- Ensure data integration supports structured, semi-structured, real-time, near-real-time, and batch data processing requirements.
- Define and enforce API standards, integration standards, data exchange specifications, naming conventions, and technical documentation.
- Monitor integration performance, data quality, availability, errors, and data processing issues and coordinate timely resolution.

- Work closely with the Solution Architect, Business Analysts, Data Engineers, Data Analysts, application developers, AI/ML team, DevOps, infrastructure, security, and testing teams.
- Support integration requirements for dashboards, analytics, AI/ML models, reporting, and other application services.
- Lead troubleshooting, root-cause analysis, performance optimisation, and resolution of complex integration issues.
- Support SIT, UAT, performance testing, security testing, deployment, migration, and production readiness activities.
- Maintain comprehensive API specifications, interface documents, data mapping documents, integration architecture, technical documentation, and operational procedures.
- Provide technical leadership, guidance, code reviews, and mentoring to API/Data Integration developers and engineers.
- Support project management, technical reporting, progress monitoring, risk/issue management, and stakeholder coordination related to integration activities.
- Provide technical input and support for proposals, tenders, presentations, solutioning, and other business development activities, where required.
- Perform other project or technical assignments as required by the Project Manager or Management.

Preferred Experience

- Degree in Computer Science, Software Engineering, Information Technology, Data Engineering, or related discipline.
- 7+ years of relevant experience, including experience leading API, integration, or data engineering activities.
- Strong experience in REST APIs, API gateways, ETL/ELT, middleware, microservices, databases, data pipelines, and system integration.
- Experience integrating heterogeneous data sources and enterprise/government systems.
- Good understanding of data governance, data quality, information security, API security, CI/CD, containerisation, and integration monitoring.
- Strong technical leadership, stakeholder management, documentation, troubleshooting, and communication skills.