

# GAUTAM KANDUKURI

## SENIOR TECHNICAL MANAGER - DATA ENGINEERING

### CONTACT

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 Hyderabad, India

### SKILLS

- **Google Cloud Platform**, Dataflow, Bigquery, Data Streams, Data Fusion, Data Proc, Cloud Composer, Cloud Functions, GKE, Cloud SQL, Pubsub
- **Amazon Web Services**, EC2, Glue, and RDS
- **Microsoft Azure**, Data Bricks, Azure Data Factory, Azure Synapsis, and MYSQL
- Hadoop, Apache Spark, Spark Streaming, Spark-SQL, Scala, Pig, Hive, Zookeeper, Kafka, Sqoop
- **Snowflake, Snowpipes, Snowstreams, Snowpark**
- **Oracle ERP R12 Suite** (Techno-Functional)
- **Data Science**(R, Spark ML)
- **Oracle ERP R12**(Finance, SCM, and CRM), Program and Project Management

### CERTIFICATIONS

- [Microsoft Certified Azure Data Fundamentals \(AZ-900\)](#)
- [Microsoft Certified Azure Data Engineer \(DP-203\)](#)
- [GCP Certified Data Engineer](#)
- SUN Certified Java Programmer
- [SnowPro Core Certification](#)

### EDUCATION

**Nagpur University** 1996

B.Tech Mechanical Engineering

### PROFILE

- 5+ Years experience in Google Cloud Platform, Azure, AWS and Snowflake
- 5+ Years' experience in Technical Big Data Development Manager and Big Data solution architect
- Expert knowledge of Google Cloud, Microsoft AZURE, and Big Data technologies with extensive hands-on experience.
- Led design & implementation of projects in the Pharma retail, agricultural and financial domains.

### WORK EXPERIENCE

#### Snowflake Cloud Architect, Birlasoft

**Project: EHS&S and E&PS Integrations, J&J Jan 2023 - Present**

- Johnson & Johnson has Various Applications falling under Environmental Safety such as Environmental Health Safety and Sustainability (EHS&S), Engineering and Property Services(E&PS), e -Permit to Work (ePTW). As a Snowflake Cloud Architect :
- Prepare the Data Lineage and Bubble charts (ERD)for the above-mentioned applications.
- Prepare the Relationship between the Property and Site attributes between the E&PS and EHS&S
- Perform the Data Mining and exploration between E&PS and EHS&S to determine the data patterns and common elements overlapping between the two applications.
- Scoping the requirements on Predictive Analytics in terms of Various Site(s) Asset Allocation/Consumption
- Scoping on the Data Governance, Data Catalogue requirement for all the above three applications
- Scoping discussion on Building AI/ML model on existing data sets.
- Scoping discussion around building Azure Data Lake as centralized data repository for all the above applications
- Work with J&J Business leadership teams closely in identifying the scope for the integration of the above applications.
- Develop and maintain a cloud strategy aligned with the organization's business goals and objectives.
- Evaluate cloud service providers and recommend the most suitable cloud platforms.
- Design cloud-based solutions and architectures that are scalable, secure, and cost-effective.
- Create detailed architectural diagrams and documentation.

- Implement access controls, encryption, and monitoring to ensure data protection and compliance with regulations.
- Optimize cloud resources to control costs while maintaining performance
- Plan and execute the migration of on-premises systems and applications to the cloud.
- Integrate cloud services with existing on-premises or cloud-based systems.
- Design solutions for high availability and resilience.
- Create disaster recovery plans to ensure business continuity.
- Continuously monitor and optimize cloud resources for performance and efficiency.
- Address performance bottlenecks and scaling challenges.
- Implement automation for routine tasks, such as provisioning and scaling resources.
- Use orchestration tools to streamline workflows.
- Set up monitoring tools to track the health and performance of cloud resources.
- Create alerting systems to respond to incidents in real-time.
- Maintain comprehensive documentation of cloud architecture and configurations

**Project: GCP Implementations, J&J**

**Oct 2021 - Dec 2022**

Johnson & Johnson has a Data lake System hosted on ONPREM Cloudera (6.1.3). I was leading a team of 15 members from offshore in Migration of the ONPREM Global Safety Data lake system to Google Cloud Platform. I was providing the Architecture Road map and Solutions for High-Speed Data Analytics, IRT Pharma, and Machine Translation Modules. Besides this, I was onboarding the required resources with the required skill sets to implement the Project in GCP. As a technical manager:

- Perform and Manage the Proof of Concepts for Data Ingestion activities leveraging the Google ETL Pipeline tools such as Data Stream, Google Data Flow, and Data Fusion.
  - Build and Maintain the Object Inventory of the schema mapping between the Source Oracle (Hosted in J&J On-prem) and GCP Big Query.
  - Perform the Historical Loads of the 400+ Business critical Oracle tables from third-party ArisG Global hosted on Oracle using the Data Flow JDBC Customized templates.
  - Perform the CDC (Change Data Capture) from Third Party ArisG Global Oracle System to J&J GCP Environment using the DataStream tool.
  - Design and implement the Data Governance and access controls in Big Query
  - Review the Pipeline code in the Dataflow and Data fusion ensuring high-quality standards as per Google standards.
  - Work with the Google Support team as required for any issues encountered during the SDLC life cycle in terms of performance improvements for the respective ETL tools like Data Steam, and Data Flow JDBC templates.
  - Work with Google Technology account Head on high lighting the limitations of the ETL tools for ingesting the CLOB data from Source Oracle to Big Query.
  - Participate in the Daily Standup Scrum calls and Weekly J&J Management calls, demo the sprint deliverables, and highlight any risks for the respective sprints.
  - Designed and Implemented ETL Data Flow Flex templates to migrate the existing GSDDL(Global Safety Data Lake Data) hosted in Apache Kudu DB to GCP Big Query for the downstream consumptions(OMD, Looker, Tableau etc)
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As a part of this project, we have built the GSDL (Global Safety Data Lake) hosted in Cloudera and provide analytical solutions to the J&J Senior Management and Executives. The scope of the Project is the migration of the Global Literature Assessment Data from Proquest, a third-party vendor of J&J to the Global Safety Data Lake System hosted in Cloudera ON Prem Cluster.

As an offshore Technical Development Manager, I am responsible for working very closely during the pre-sales activities and providing required inputs in building up the estimates for the projects that I have been managing.

- Actively participated in Solutioning and Architecture design for the GLAD Migration project from third-party vendor system ProQuest into the GSDL Data Lake.
  - Managing the Mapping documents between the source system and the destination systems
  - Interact with the Client in Preparing the Data Model and Data Access Layer documents
  - Work with the Delivery and Client management teams during the solutions and implementation phases.
  - Active contribution to developing a framework for Data Ingestion and processing phases by developing & deploying Spark ETL Scripts in the Cluster.
  - Developing Parquet tables for downstream application consumptions.
  - Work closely with the respective client business during the initial estimation process and gather the high-level scope of the project.
  - Prepare the Project charter, estimates, communication plan, and project plan capturing the sprint plan and features using the agile methodology.
  - Onboard the team members for the respective projects starting from the requirement analysis phases.
  - Work closely with the client business teams in getting the required signoff on the project plan, requirements, and Sprint deliverables.
  - Publish the Weekly Status reports, and manage the status calls with the respective client stakeholders.
  - Review/Manage the UAT planning and execution of the same.
  - Review the Risk management, Change request management, release management, and transition management.
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## Big Data Technical Development Manager, GSPANN

### Project: Managing delivery for KOHLS INC, USA

Kohls's is USA giant retail outlet store spread across the USA. As a part of this project, we have built the Kohls Data Platform and provide analytical solutions to the Kohls Senior Management and Executives. As an offshore Technical Program Manager, I am responsible for working very closely during the pre-sales activities and providing required inputs in building up the estimates for the projects that I have been managing.

- Work closely with the respective client business during the initial estimation process and gather the high-level scope of the project.
- Prepare the Project charter, estimates, communication plan, and project plan capturing the sprint plan and features using the agile methodology.
- Onboard the team members for the respective projects starting from the requirement analysis phases.
- Work closely with the client business teams in getting the required signoff on the project plan, requirements, and Sprint deliverables.
- Managing the delivery and technical contribution in design and development for Kohl's Business Critical flows
- Developed a framework for Data Ingestion using Data flow and Data Fusion.
- Develop and Implement Change data capture functionality using Data Streams and Data flow Streaming templates.
- Publish the Weekly Status reports, and manage the status calls with the respective client stakeholders.
- Publish the Project health status (Fever charts) on a weekly basis to the clients.
- Review/Manage the UAT planning and execution of the same.
- Review the Risk management, Change request management, release management, and transition management.
- Work with the Delivery and Client management teams during the solution phases.
- Data Analytics on billing data.
- Worked on the new proposal and Developed proof of concept using Hadoop

Following is the list of previous projects/Company . More details can be provided, if required.

Company	Project	Client	Role
Purple Talk	Syngenta Pest Partner Management	Syngenta, Europe	Big Data Technical Manager
Capgemini	GE-CORPARATE	GE Corporate, USA	Technical Manager
	GE Capital-Procure to Pay	GE Capital, UK	Technical Manger
IBM	Cisco-Invoice to Cash	Cisco, USA	Technical Project Manager
	John Deere- Building Data Lake in AWS	John Deere, USA	Technical Lead
	Eli Lilly	Eli Lilly, USA	Technical Project Manager
Satyam Computers	Cisco-Quote to Cash(ERP)	Cisco, USA	Technical Project Manager
Deloitte	Stryker Orthopedics	Stryker, USA	Technical Project Manager
CapGeminiErnst&Young	Hyperion Solutions	Hyperion, USA	Project Lead
	Kent County Council, UK	KCC,UK	Technical Consultant
Mannai –Enabling ERP	Mannai –Enabling ERP	Mannai Corp, Doha	Oracle Developer