# LOKESH B

Chennai | +91-7904771198 | lokesh.b07@gmail.com

## Summary

Results-driven **Data Engineering and Project Management** professional with 5+ years of experience designing and delivering scalable data systems and leading Digital Twin and SaaS initiatives. Proven expertise in **Python, Kafka, Delta Lake, gRPC**, and **AWS cloud deployments**. Skilled at bridging business needs with technical execution, optimizing data workflows, and managing end-to-end delivery of enterprise applications. Adept at **Agile methodologies, CI/CD practices**, and cross-functional team leadership.

## Experience

**EinNel Technologies**                                                                                                  March 2021 — Present
Project Manager - Software Development                                                                          Chennai

**Digital Twin Projects**

**1. Boiler Digital Twin**
Role: Data Engineer & Project Manager

- Designed and implemented the overall **system architecture** and **database/storage planning**.
- Developed **Python APIs** for real-time data integration and analytics.
- Managed the **full project lifecycle** from inception to delivery, ensuring alignment with business needs.
- Facilitated **end-user interactions** to gather requirements and provide solutions.
- Led **team management**, task allocation, and delivery oversight.

**2. Copper Twin (Proof-of-Concept & Application Development)**
Role: Strategic Planner, Tech Lead & Project Manager

- Involved from **scratch**, contributing to **business-level decision-making** and **product strategy**.
- Optimized **data pipelines** using **Kafka, Delta Lake, and gRPC** for high-performance processing.
- Defined the **technology stack** (Python, Polars, Delta Lake, gRPC) and data storage architecture.
- Managed **project execution**, milestones, and delivery timelines.
- Mentored team members and provided **technical guidance** during critical phases.
- Developed **POCs** to validate architecture and functionality.
- Oversaw **database management** and **API development** for modular expansion.
- Acted as a bridge between **business stakeholders** and **technical teams**.

**SaaS Application Projects**

Role: Project Manager & Database Specialist

- Provided **end-to-end project oversight** across multiple SaaS applications:
  - **Church Management Application**
  - **Task — HR & Employee Management Application**
  - **Laboratory Management Application**
  - **Donor Management Application**
- Engaged with **end users** for feedback, requirements gathering, and support.
- Conducted **change request analysis** and evaluated feasibility/impact.
- Handled **database administration** and schema optimization for performance.
- Contributed to **feature change analysis** and **development strategy planning**.
- Played a key role in **crisis control** where delivery timelines were impacted due to business deviations, ensuring corrective measures and smooth delivery.
- Coordinated with cross-functional teams to align **business needs with technical execution**.
- Oversaw **team performance** and guided delivery in an agile environment.

**Sicagen India Ltd**                                                                                                      Jun 2018 — May 2019
Graduate Engineer Trainee                                                                                               Chennai

- Have performed installation, testing and maintenance of speed governor in diesel generator and turbine.
- Provided expertise to establish pre-commissioning processes according to the client's requirements as identified in the technical specification and contractual scope of work.
- Supervised pre-commissioning subcontractor activities by attending weekly progress meetings, reviews their deliverables and progress reports, check their readiness prior to pre-commissioning processes and prepares the commissioning schedules.
- Commissioned Governor and Controller at MADRAS ATOMIC POWER STATION (MAPS), Kalpakkam.
- Sales and service of electronic speed governors for 25+ power plants and process plants across south India.

## Education

**Prathyusha Engineering College**                                                                                              2018
7.06                                                                          Bachelor's in Electrical and Electronics Engineering

## Skills

- Data Engineering & ETL Pipeline Development
- Data Modeling & Warehousing
- Digital Twin Implementation & Optimization
- API Development (gRPC, REST, WebSocket)
- Cloud Deployment & Scalability Planning
- Project & Team Management (Agile/Scrum)
- SaaS Application Development Oversight
- Business & Product Development Strategy
- Cross-functional Team Collaboration
- End-to-End Product Delivery Ownership
- Client Engagement & Requirement Gathering
- Crisis Management & Timeline Recovery
- Application Development (Python — backend focus)

## Technology Stack

- Programming & Scripting: Python, SQL
- Data Processing: Polars, Pandas, Delta Lake, PySpark
- Streaming & Messaging: Kafka, MQTT, Redis
- Databases: PostgreSQL, Cassandra, SQL Server
- APIs & Frameworks: gRPC, FastAPI, Flask, REST API, WebSocket
- Workflow & Orchestration: Apache Airflow
- Cloud & Deployment: AWS (EC2, ECS, S3), Docker, Kubernetes
- Version Control & CI/CD: Git, GitHub Actions
- Monitoring & Logging: Prometheus, Grafana, ELK Stack

## Profiles

in Lokesh B