

Ankit Nayak

Technology Lead @Knowledge Lens: A Rockwell Automation Company

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Summary

Project Manager and Technology Lead with over 7 years of software development and project management expertise. Extensive experience with pharma clients, including Amgen and Pfizer, delivering applications focused on Process and Knowledge Management. Proficient in leading cross-functional teams, driving quality standards, and ensuring timely project completion. Skilled in Programming, Cloud Technologies, Data Ingestion, and Visualization.

Core Skills

- **Project & Technical Leadership:** End-to-End Lifecycle Management, Cross-Functional Team Coordination, Agile Methodologies.
- **Project Management Expertise:** Timeline Planning, Resource and Budget Management, Stakeholder Communication, Leadership Updates, Risk Mitigation
- **Tools for Management:** Jira, Azure DevOps, GitLab, GitHub Actions
- **Cloud & Database Expertise:** AWS, Azure, MySQL, MongoDB, Redshift, ElasticSearch
- **Programming Languages & Frameworks:** Python, JavaScript, Tornado, Flask
- **Data Analysis & Visualization:** Spotfire, R Shiny, Data Processing, Report Automation
- **DevOps & CI/CD Tools:** GitHub Actions, Jenkins, GitLab, Pycharm, Visual Studio Code

Professional Experience

Technology Lead

Sept 2019 - Present

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Project Lead – FactoryTalk DataMosaix (FTDM)

- Led the DataOps application project, managing the entire lifecycle from stakeholder engagement to resource planning, effort estimation, and execution timelines. Coordinated cross-functional teams to ensure seamless solution delivery and actively participated in development and testing phases to uphold quality standards.
- Collaborated with internal teams and stakeholders to eliminate unnecessary implementations, reducing the team's effort by approximately 20%.
- Additionally, implemented effective risk mitigation strategies and enhanced team coordination, achieving a 30% reduction in project delays.

Technology Lead – Product and Knowledge Management (PKM)

- Led a team for Pfizer's Data Ingestion Module, collaborating with Infosys, Rockwell, and Pfizer to develop the iRME solution.
- Designed and implemented the Visual Recipe Builder (VRB) to introduce Branching and Looping functionality tailored for pharmaceutical use cases.
- Contributed to application enhancements and optimized MongoDB queries, significantly improving performance and efficiency.

Backend Developer – Non-Conformance Trending (NLP)

- Worked on a data processing project leveraging AWS Lambda, Step Functions, Redshift, Python, S3, Databricks, and Spotfire technologies.
- Developed Lambda modules to retrieve data from S3, utilized Step Functions to manage orchestration and status tracking and employed Databricks for data processing and transformation.
- Ingested processed Parquet file data into Redshift and created comprehensive reports for Drug Quality Controllers and SMEs to effectively monitor deviations from quality parameters.

Backend Developer – Process Development and HLEE (Holistic Lab Execution Environment)

- Collaborated with the ZS team to build an Enterprise Data Lake, focusing on architectural design, pipeline orchestration, and managing full and incremental data loads. Successfully integrated EC2 instances with Databricks for seamless operations.
- Developed a Redshift module to ingest Parquet files from S3 into Redshift, significantly enhancing performance. Additionally, created Spotfire reports to streamline the monitoring of data ingestion, generate alerts, and simplify maintenance tasks.

Backend Developer – Support Lens Application

- Designed and developed an incident management application to efficiently capture, record, and manage user-reported incidents.
- Automated workflows for incident classification, prioritization, and assignment, significantly reducing manual effort and improving operational efficiency.
- Implemented a dynamic assignment mechanism to automatically allocate incidents to the appropriate support groups or individuals, further enhancing efficiency and response times.
- Integrated the "Support Lens" application with various systems and tools, enabling seamless data exchange and improving connectivity across the IT ecosystem.

Junior Data Scientist

Nov-2017 - Aug-2019

Knowledge Lens

Backend Developer- GLENS Air Quality Monitoring System

- Preprocessed and cleaned device and analyzer data to ensure accuracy and consistency.
- Analyzed data based on recency and frequency to calculate Air Quality Index (AQI) exceedances, providing actionable insights into air pollution trends.
- Developed interactive reports and automated data analysis processes using Python and R Shiny, enhancing data visualization and accessibility.
- Utilized Elasticsearch and MySQL as secondary databases for efficient data management and retrieval.
- Redesigned and implemented a module/service to create an AQI Dashboard, enabling stakeholders to monitor air quality metrics in real-time effectively.

Education

Master of Business Administration

2014 - 2016

Utkal University, Bhubaneswar, Odisha

Bachelor of Business Administration

2011 - 2014

B.J.B Autonomous College, Bhubaneswar, Odisha

Awards and Recognition

- September 2021: Awarded 'Extra Mile Award' for impeccable performance and excellence at work every day. [Link](#)
- March 2021: Awarded with 'Star of the Month Award' for my work performance and on-time project delivery. [Link](#)
- August 2020: Appreciation from Captain Manivannan on behalf of the Government of Karnataka for voluntary work during the COVID-19 pandemic. Involved in various IT initiatives driven by Knowledge Lens.
- November 2018: Awarded the 'Best Initiator of the Year' at Knowledge Lens for delivering extra miles across all departments.