Ankit Nayak

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Summary

5year+ year of experience in Software Development

In the course of my career, I have worked as a Developer, Tech Lead, Project Manager, and Client Success Manager for multiple projects. I have worked with ZS as a consultant, Handled pharma clients i.e Amgen and Pfizer, and worked on the arch design and implementation for pharma application PKM.

I'm a professional & experienced in working in a fast-paced environment with strong organizational, technical, and interpersonal skills. Detail-oriented and resourceful in completing projects and also able to handle multi-task effectively.

As a lead, I always make sure of deliveries along with taking care of my peer's interests, learning, and development. and myself I always look for challenging work and trying to resolve the problems in an efficient way

Work experience

Technology Lead
Knowledge Lens

Sept 2019 - Present

Product and Knowledge Management Application (PKM)

- **Data Ingestion Module** for Pfizer to Fluxa PKM Application
  - Design and delivered iRME solution to Pfizer, by collaborating with Infosys, Rockwell, and Pfizer
  - Introduced Visual Recipe Builder(VRB) with Branching and Looping functionality for Pharma purpose.

- **Performance Enhancement**
  - Resolve MongoDB data size limit of 16MB in a single document by splitting the document.
  - Optimize the search queries in MongoDB and Python script for better performance.

- **Project Lead**
  - Lead a team of 10 developers 2 Quality Analysts and 2 Clients for the project. The engagement involved information gathering, project development, managing maintenance, and delivery of the project

Non-Conformance Trending(NLP)

- **Clustering Module**
  - Build NLP module to perform clustering based on the mentioned description
  - Used stop words, abbreviations, key identifiers for the algorithm

- **AWS Lambda, Step Function, and Redshift Module**
  - Lambda module to get trigger, fetch the data from S3 and forward it for processing
  - Step function to fetch orchestrator running status,
  - Databricks for processing and transforming massive quantities of data and exploring the data
  - Ingest the processed parquet file data to Redshift and create reports in Spotfire

- The application was used by Drug Quality Controller and SME to see any deviation from the marked quality parameters
- Technologies used Python, SparkSql, S3, Lambda, Databricks, Redshift, Spotfire

Process Development and HLEE (Holistic Lab Execution Environment)

- Enterprise Data Lake with Real-time ingestion for experiments
- Build Arch for the project and module for master orchestrating the pipelines.
- Build Ingestion module to handle Full and Incremental loads.
- Build module to integrate the EC2 machines with Databricks.
- Build Redshift Module to ingest the parquet file from s3 to Redshift for better performance.
- Build Spotfire report for easy monitoring of the ingestion, Alert, and maintenance

Junior Data Scientist   Nov 2017 - Sept 2019

Knowledge Lens

<u>**GLENS (Environment Monitoring System)**</u>

- Preprocessing and cleaning of the data received from the Devices and Analyzers across different states of India
- Analysis based on recentness & frequency to calculate the AQIs exceedance.
- Used Python and R shiny for Interactive reports and Automation.
- Used Elasticsearch and Mysql as the secondary database for the use case.
- Re-designed and implemented a module/service to provide the capability of creating AQIs Dashboard

Technical Skills

Programming Languages	Python, Java, R shiny
Framework/Web-Services	Tornado, Flask
Databases	MySql, MongoDB, ElasticSearch, Redshift, PostgreSQL
Operating System	Linux, Windows
Data Visualization Tool	Spotfire, R Shiny
Development Tool	Pycharm, Vi/Vim, Visual Studio Code
Project Build Tool	Pycharm, Databricks, Gitlab
CMS/DMS	Jira, Git, Service Now, Azure DevOps
Others	Data-structure & Algorithms, AWS Lambda, Spark SQL

Education

Master of Business Administration   2014 - 2016

Utkal University, Bhubaneswar

Finance and Marketing: Management Consulting Association, Strategic Operations Mangement

Bachelor of Business Administration   2011 - 2014

B.J.B Autonomous College, Bhubaneswar

Awards & Recognition

- November 2018: Awarded with '**Best Initiator of the Year**' at Knowledge Lens. Awarded for delivering extra miles across all departments
- August 2020: Appreciation from Captain Manivannan on behalf of the **Government of Karnataka for voluntary work for the COVID-19** pandemic by involving in various IT initiatives driven by Knowledge Lens.
- March 2021: Awarded with '**Star of the Month Award**' for proactive communication, zero laxity, and on-time project delivery.
  Link: https://www.linkedin.com/feed/update/urn:li:activity:6787331795546468352/
- Sepetember2021: Awarded with '**Extra Mile Award**' for impeccable performance and Excellence at work every day.
  Link: https://www.linkedin.com/feed/update/urn:li:activity:6881097984071884800/