Alekhya Kodumuru
Business Analyst

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SUMMARY

- **Business Analyst Around 3 years of experience** in gathering requirements, conducting data analysis with **SQL and Python**, and developing dashboards in **Tableau and Power BI.** Proven ability to implement technology solutions using Microsoft **Azure and AWS**, enhance operational efficiency, and facilitate user acceptance testing. Achievements include improving compliance processes through effective data analysis and automating data validation processes to reduce manual errors. Strong communicator adept at collaborating with cross-functional teams to deliver actionable insights that support strategic decision-making.

SKILLS

- **Methodologies:** Agile, Scrum, Waterfall
- **Documentation:** Business Requirements Document (BRD), Functional Requirements Document (FRD), Gap Analysis, User Acceptance Testing (UAT)
- **Data Analysis Tools:** SQL, Python, Tableau, Power BI, Excel (Pivot Tables, VLOOKUP)
- **Management Tools:** JIRA, Confluence
- **Cloud Technologies:** AWS (AWS Glue, Amazon S3), Microsoft Azure (Azure Resource Manager, Azure Virtual Machines)
- **Data Handling:** ETL Processes, Data Visualization, Predictive Modeling
- **Technical Skills:** Process Flow Diagrams, Data Validation, Automation Scripting, Data Modeling, A/B Testing, Data Profiling

EXPERIENCE

Elevance Health, USA | Mar 2024 - Current
Business Analyst

- Collaborated with IT and finance teams to gather and document technical and functional requirements, producing detailed Business Requirements Documents (**BRD**) and Functional Requirements Documents (**FRD**) to ensure adherence to industry regulations.
- Employed **SQL** to analyze large datasets and generate reports on compliance metrics, enhancing risk management strategies and reducing compliance violations by 20% through efficient **JOIN** operations and **aggregate** functions.
- Utilized **Python** to automate data validation scripts, improving data integrity checks and reducing manual errors by 30% in compliance reporting processes.
- Designed and developed interactive dashboards in **Tableau** to monitor key performance indicators (**KPIs**) related to regulatory compliance, enabling management to make informed decisions quickly with data blending and calculated fields.
- Managed the **ETL** process using **AWS Glue** and Amazon **S3**, automating data ingestion from various compliance sources to improve data accuracy and reporting efficiency through streamlined data pipelines.
- Conducted comprehensive gap analysis to identify discrepancies between current compliance processes and the proposed system, providing actionable recommendations that improved alignment with regulatory requirements by 25%.
- Facilitated User Acceptance Testing (**UAT**), developing test scenarios and coordinating feedback sessions with stakeholders to ensure the system met both functional and technical requirements, resulting in a 15% reduction in post-launch defects by creating clear **test cases** and effective defect tracking.
- Utilized **JIRA** to manage project tasks and track system bugs, enhancing collaboration between IT and business teams and leading to a 10% increase in project delivery speed through efficient sprint planning and backlog grooming.
- Created **process flow diagrams** using **Lucidchart** to visualize compliance workflows, streamlining approval processes and reducing average approval times by 18% with intuitive **shapes**, **connectors**, and **swimlanes**.
- Analyzed compliance data using Excel, employing pivot tables and VLOOKUP functions to generate ad-hoc reports and visualize trends, facilitating data-driven decision-making.

Hexaware Technologies, India | Jul 2020 – Aug 2022
Business Analyst

- Worked with IT and healthcare teams to gather requirements for the implementation of a **Telehealth Platform**, producing **BRDs** and Functional Requirement Documents (**FRD**) to guide development efforts and ensure system usability.
- Analyzed patient engagement data using **SQL**, identifying trends that led to the optimization of virtual consultation workflows and improving patient satisfaction scores by 30% through the use of subqueries and data filtering techniques.
- Leveraged **Python** for data analysis and predictive modeling to forecast patient engagement trends, aiding in the development of targeted strategies that increased service utilization by 15%.
- Developed reporting dashboards in **Power BI** to track key metrics related to telehealth service usage, enabling management to evaluate performance and make data-driven improvements utilizing **DAX** formulas and interactive visuals.
- Led the migration of legacy communication systems to a cloud-based telehealth solution using Microsoft **Azure**, employing services like **Azure Resource Manager** and **Azure Virtual Machines** to ensure compliance with **HIPAA** regulations and enhance system reliability.
- Facilitated User Acceptance Testing (**UAT**), creating test cases and coordinating with clinical staff to validate system functionality, resulting in a 20% reduction in user-reported issues post-deployment by establishing clear acceptance criteria and feedback loops.
- Utilized **JIRA** and **Confluence** for managing project tasks and documenting technical specifications, improving collaboration among project teams and stakeholders through efficient issue tracking and a well-organized knowledge base.
- Conducted impact analysis of new system features on existing IT infrastructure, ensuring minimal disruption to service delivery and a smooth transition for healthcare providers by implementing **risk assessment** and change management strategies.
- Provided training and support for healthcare staff on the new telehealth platform, developing user manuals and conducting training sessions that enhanced user adoption rates by 25% through hands-on workshops and troubleshooting guides.

EDUCATION

Master of Science Computer Science Specialization in Data Analytics
Illinois Institute of Technology, Chicago, Illinois   **Aug 2022 – May 2024**

Bachelor of Computer Science
Vidya Jyothi Institute of Technology, Hyderabad, India   **Jun 2018 – Jul 2022**

CERTIFICATIONS

- **Amazon Web Services (AWS)**, Certified Cloud Practitioner
- **Microsoft Certified:** Azure Fundamentals
- Introduction to Relational Database and SQL
- Object-Oriented Programming with Java
- Google Cloud Fundamentals: Core Infrastructure
- Essential Google Cloud Infrastructure: Foundation
- Get started building with Power BI
- Get data with Power BI Desktop

PROJECTS

Student Enrollment Analytics System

- Gathered requirements and created BRD/FRD for a university analytics system to optimize course offerings.
- Analyzed enrollment data using SQL and Python, visualized trends in Power BI.

Predictive Maintenance for Campus Facilities

- Developed a predictive maintenance model using Python to forecast campus facility repairs.
- Built Tableau dashboards for monitoring maintenance metrics, enabling proactive decision-making.