
SUMMARY OF QUALIFICATION

BI/Software: **Tableau Desktop & Server (Cloud), Alteryx (Server), Brity RPA, Excel BI, SAP, JIRA**

Database/Programming: **SQL Server, MySQL, SSMS, Python, Java, HTML, Batch**

WORKING EXPERIENCE

Samsung SDSA, Ridgefield Park, NJ | BI Developer

Sep 2020 - Present

- **Internal Consultation** Provide internal consulting to various of Samsung Group subsidiaries and departments including Samsung Electronics HA&HE, Supply Chain, Semiconductor, financial and Research departments. Helped create and maintain 10+ projects, helped department grow **43%** of profit in 2021. Currently lead a team to develop automation processes for TV/AV sellout semi-weekly reports.
- **Automated BI Reports** Provide automation solutions to deliver customized BI reports (in **RPA/Alteryx/Tableau, etc.**). Merge BI platforms with enterprise systems and applications, enhance the performance of business intelligence tools by defining data to filters and indexes. Document new and existing models, solutions, and implementations, participating in workstream planning process including inception, technical design, development, testing, and delivery of customized need Dashboards.
- **Database Management** Utilizes **SQL Server** to design, develop, and evaluate innovative business intelligence tools and automates reports. Perform data mining, ETL process, data conversions, imports, and exports of big data within and between internal and external software systems. (In **Alteryx, SSMS**) Maintain the quality of data and provide input to the development of data/information quality metrics.

Baanyan Software, Inc. Edison, NJ | Data Analyst / BI Developer

Nov 2019 – Aug 2020

- **Design BI Report** Work with analysts and data teams to take defined datasets and design specifications, turn them into reality while minimizing custom business logic in **Tableau/Google Analytics** itself. Responsible for Tableau Dashboards, Reports, and Metrics development, and capable of visualizing and creating customized dashboards in **Tableau** for financial reporting various project metrics
- **Design Database** Based on business requirements, develop the Complex **SQL** queries. Create database objects: tables, views, procedures, triggers, functions to provide definition, structure and to maintain data efficiently (in **SQL Server**). Cooperated with Bigdata team to designing and creating databases and all related extraction, transformation, and load of data functions.

Gartner, Inc. Stamford, CT | Marketing Research/Analyst

Jun 2019 – Sep 2019

- **Data Support** Gathered and analyzed internal/external data with sales managers to identify and optimize market trends (based on region, industry, and other key metrics). Examined new data Sources, negotiated with vendors, and made correspond reports/presentation to data Team
- **Design Strategy** Effectively supported decision-making by modeling various scenarios/industries; Through read up to 250 financial statements per one territory, designed and implemented profitable 10 territories (in **Excel**), aligning with corporate sales strategy; Analyzed and visualized outcomes (in **Excel Pivotable/Tableau**). Identified, evaluated, and well communicated various market opportunities to sales managers, through building sales strategy, significantly helped market growth at 45% in 5 years

Diaconia Solutions, LLC. NY | Financial Analyst

Oct 2018 - Jun 2019

- **Project: Option Price Analysis** Conducted data processing/data mining on large datasets; Developed data automation software (applied Granger test) to validate integrity of option prices, customizing to clients' needs, significantly increased scalability, and data preprocess efficiency; Visualized data through dashboard (in **Tableau/Excel/R**) and conveyed information into project charter for clients.
- **Project: Individual Asset Management** Helped designed and tested automatic process to scraped data from InteractiveBrokers (in **Python**) and assigned in database (in **MySQL**) for manager use. Participated in design portfolios, build quantitative trading and investment strategies, Forecasted future cash flow (in **Tableau**)

CERTIFICATION AND EDUCATION

Tableau Certified ID:1026745 / Bloomberg Concept Certified / Google Digital Marketing Certification ID: RSD M8Q BUU

University of Connecticut | M.S. in Financial Risk Management (Major in Financial Mathematics)

Sep 2017 -Dec 2018

Taiyuan University of Technology | B.S. in Information and Computing Science (Mathematical Department)

Sep 2013 - Jun 2017