Justin Fox
Data Analyst | Data Scientist

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SUMMARY

I am an innovative, strategic, and autonomous Senior Business Data Analyst. I have a strong technical aptitude and 8 years of professional business and technical experience processing, analyzing, and reporting data to support decision-making. Eager to learn and face new challenges, I am currently seeking to grow my career in data science & analytics. I am also open to leadership roles.

SKILLS

TECHNICAL	LANGUAGES	ANALYTICS	SOFTWARE/TOOLS
Machine Learning	Python (Pandas, NumPy,	Power BI, Tableau	MS Excel (Vlookup, Sumif, Pivot)
Relational Databases	Scikit-Learn, Seaborn)	Data Modeling	Visual Studio Code
ETL, API	SQL, VBA, GIT	Data Mining	SSMS, SQL Server
Web Scraping		Statistical Techniques	Jupyter Notebook

CERTIFICATIONS

MICROSOFT CERTIFIED: POWER BI DATA ANALYST ASSOCIATE | December 2022

[Credly Badge](#)

EXPERIENCE

Business Analyst II | San Joaquin County Probation |Stockton, CA | December 2014 - Present

- Identified and developed KPI's and metrics, written complex SQL data queries, designed Power BI reports, performed statistical and quantitative analyses, and utilized explanatory and predictive modeling/forecasting to deliver intuitive and informative insights regarding programs and business operations through BI and self-serve analytical solutions for business stakeholders.

- Improved and automated (with Python, SQL, and VBA) all monthly department metrics and over ~20 data extractions/reports using ETL and data processing methods for both internal and external stakeholders.

- Tuned, monitored and maintained the quality, integrity, and confidentiality of data sources among 4 core business applications and databases, as well as across 9 integrations (SFTP, XML, API, SQL stored procedures).

- Constructed a machine-learning model application that predicts likeliness of clients to complete their probation term successfully with 89% accuracy, and performed exploratory analysis to find insights and present findings to management.

- Led efforts on data migration (mapping and validation) from an Oracle to Azure for a system replacement project, which included over 100 tables of data.

- Improved user experience and business enablement in our Microsoft Dynamics 365 application to satisfy business requirements, save hours of data entry, and collect higher quality data.

EDUCATION

California State University Stanislaus

B.S. Mathematics | Minor in Computer Science | December 2013