MWANGE CARLVIN JERRY

Quantitative/Data Analyst

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RE: Data Science Consultant

To Whom It May Concern,
I would like to express my interest in the Data Science consultant position listed under your careers section. I am a self-motivated and progress-driven Quantitative Analyst with an extensive background in data analytics. Having studied Financial Engineering, I was able to gain relevant skills for data science focused in Financial Markets. I studied statistical programming mainly done in R, SPSS and python.
This motivated me to delve into data science as a career and I got my internship at a fin-tech company in 2016.

Consequently, I have grown my understanding of the core principles of data analysis, modeling and visualization having taken part in data-driven projects at my current work position which started off as a one year internship opportunity. During this period I was taken through rigorous training, I was able to advance my programming knowledge and data management skills. With over three years of working experience, I have gradually improved my skill sets in data mining, storage, analytics and visualization. My work as a Quantitative analyst revolves around statistical and numerical programming languages i.e R, Python, Julia and F# for .Net integration. I mainly research, implement, test and maintain financial models as well as offer required support and training to clients who use the said models. This has made me be able to apply statistical and probabilistic concepts to real world problems, focusing on financial markets.

Models developed include but are not limited to; Statistical measures, Absolute Risk Adjusted Measures, Fat Tail Analysis, Predictive Models- Moving Averages, ARIMA, Markov Chains and Machine Learning models for time series prediction. I am an astute problem solver capable of thinking critically in order to tackle different data analysis challenges.

My role as a Quantitative Analyst has also equipped me with interpersonal skills like team work, communication, problem solving and decision-making as I often found myself working with colleagues towards a common goal.   I'm currently a project champion of the company's (Innova Limited) team participating in the Capital Markets Authority Regulatory Sandbox, where we develop a web-based financial analytics system aimed at facilitating investments management and regulation for retail investors, fund managers and respective regulatory bodies. As a project champion, my leadership and decision-making skills were equally horned. I enjoy solving challenging problems and building products for the greater good.

I have built internal company tools to help analyse and visualize company data such as expenditure on Uber trips for the company. A system testing dashboard to help fellow analysts run numerical tests on system data and generate reports from the same. This work is mainly done in **R Shiny**, **Python Dash** and **Microsoft Power BI.** As a self-driven data science enthusiast, I built and am currently maintaining a personal blog where I display some of my skills in data analytics and visualization. Kindly visit here for more information.

Attached is a copy of my resume, kindly take a moment to review my application. I would appreciate the opportunity to meet and discuss my candidacy further, I am looking forward to your response. Thank you for your consideration.

Sincerely,
MWANGE CARLVIN JERRY