RICARDO LOPES

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SUMMARY

I am an accomplished SAS analyst with over 6 years of experience in the finance and IT sector in which I have consistently demonstrated my expertise in development.

Beyond my proficiency in **SAS**, I've also engaged with languages such as **Excel VBA**, **Python**, and **JavaScript**, albeit at a relatively foundational level. This diverse exposure has fuelled my enthusiasm for exploring new technical horizons. I thrive on taking the technical lead for diverse projects, successfully transforming stakeholder requests into tangible solutions from conceptualization to execution.

I am now actively seeking opportunities to solidify and expand my technical repertoire, facilitating meaningful engagements with colleagues and clients and propelling the growth and success of the teams I work with.

TECHNICAL SKILLS

- **Programming Languages:** Proficient in SAS with 6+ years of experience, along with foundational knowledge in Python, JavaScript and Excel VBA.

- **Data Analysis and Visualization**: MS Excel for data manipulation, MS PowerPoint for effective presentations, PowerBI for insightful visualizations.

- **Database Management:** Familiarity with UNIX and Teradata for efficient data handling and retrieval.

- **Project Management Tools:** Experience using JIRA for streamlined project tracking and collaboration.

- **Technical Writing and Governance**: Demonstrated skill in technical writing and process documentation.

- **Languages**: Fluent in English, Conversational Portuguese and actively learning Mandarin.

WORK EXPERIENCE

2022 - 2023   **EXL Services (Remote)**

Senior Data Analyst

- Collaborated with a business analyst to integrate Basel 3.1 regulatory changes into the codebase. Streamlined and optimised calculation processes for compliance and precise output formatting to meet stakeholder expectations.
- Led the development of an Excel VBA-based solution for a unique product—a challenge no team member, including myself, had prior experience with. Learned Excel VBA from scratch to process and transform data from distinct sources, creating tailored and customizable reports. This process was subsequently reviewed, refined, and improved by me for cleaner code, process efficiency, and enhanced user experience during product selection at process initiation.
- Researched and documented the secured data derivation process, mapping all processes, transformations, and variables on a JIRA IO diagram. This helped facilitate the precise implementation of changes.
- Achieved an exceptional performance appraisal in my first year. My line manager acknowledged the significance of this accomplishment and noted that it was a remarkable feat which no other colleague that he managed had attained and demonstrated my dedication, adaptability, and substantial contributions to the team's success.

2019 - 2021   **TSB (Edinburgh)**

Senior Data Analyst – Credit Risk

- Inherited data quality controls that I coded and implemented in SAS over a 4-phase testing cycle. During the testing process, I investigated defects and communicated results to senior stakeholders and 3rd party contractors and was responsible for suggesting a testing priority system as well as introducing parallel processing to the testing team which significantly reduced the testing period and allowed us to meet tight deadlines. For my endeavors on

this project, I was awarded a top recognition award that was across Credit Risk; 4 months into my role.

- Designed, coded (SAS) and implemented over 1000 data quality controls across numerous variables and repositories.
- Designed the IRB Data Quality infrastructure on our SAS server that will be used for future BAU Data Quality Assurance processes.
- Created code (in SAS) that would dynamically and efficiently generate aggregate statistics (Sum,Average,PSI,CSI,etc) across selected variables and datasets using hash functions to partition data into similarly sized chunks for quicker processing. I am currently developing automated Time Series and I-MR charts in Excel off the back of this data to put into a pack, that will be used to highlight irregularities and discrepancies to senior stakeholders using Nelson's rules.
- Earned an enhance Spotlight award for aiding colleagues across Credit Risk to find technical solutions to their operational data model data quality checks whilst aiding the technical development of partners in delivery of that project.

2017 - 2019   **FDM Group & Barclays (Northampton)**

QUANTS SAS Analyst – Capital Delivery (FDM Contractor)

- From scratch, I learned the SAS language and business functions of numerous BAU processes, taking command of multiple code request changes within applicable code-members.
- Ensure multiple BAU tasks, which I have inherited or created, are ran timely and successfully with any possible data issues highlighted and investigated.
- Automate and optimise several lengthy manuals "copy and pasting" Excel processes end to end in SAS. This involved examining how data is manipulated and sourced before converting said processes into SAS code.
- Implemented handover code into production environment. Involved analysing and optimising code to be production ready, identifying data reconciliation issues where present and highlighting issues to stakeholders which may influence business operations.
- Automated manual creation of Jira Epic templates in Python. Aided colleagues in understanding basic Python concepts and syntax in preparation of business transition from SAS to Python.

EDUCATION

2012 - 2016   **Heriot-Watt University**

Bachelor of Science in Physics

PERSONAL INTERESTS

- I have a keen interest in sport that helps me keep fit, in particular football and badminton. While I usually play recreationally with friends, I have represented my university as part of a team for both sports.

- I'm drawn to strategy games that demand creative thinking and adaptability within evolving meta-games. Engaging in these games as part of a team has honed my communication skills and allowed me to forge strong connections with fellow players.

- To better connect with my partner's side of the family, I'm actively learning Mandarin. This undertaking not only enables me to communicate more effectively with my partner's family but also provides me with the chance to gain a profound insight into their culture. I'm excited about the possibilities that learning this language opens, as it allows me to fully embrace opportunities for cultural enrichment and establish deeper connections with my partner and her family.