**Solomon Dorsey**

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**Professional Summary**

Innovative and detail-focused Data Analyst II offering 2+ years of experience in managing database performance and issues, full stack development, and optimizing environments; as well as previous background as Biologist. Recognized team collaborator, adept at meeting needs, improving processes, and surpassing requirements.

**Education**

**Master of Science in Data Science** | Eastern University | Estimated Graduation September 2024

**Full Stack Web Development Program** | University of Pennsylvania | November 2022

**Bachelor of Science in Biology** | Loyola University Maryland | May 2021

**Work Experience**

**Fujirebio Diagnostics | Malvern, PA**

**QC Data Analyst II | October 2021 - Present**

* Successfully address testing data discrepancies within PL/SQL developer QC database within 24-hour timeframe, substantially bolstering data accuracy and integrity
* Leverage SQL, Power BI, and Report Builder for specialized query projects, partnering with IT, QC Data Scientist, and Data Analysis teams to significantly decrease data management time
* Notably completed QC Data Transfer training, centering on quality and company-wide database administration to cultivate more in-depth understanding of data management
* Optimized operations by leading and developing QC analyst team, boosting efficiency by 30% and expediting testing processes, while actively contributing to quality control documentation and SOPs
* Pioneered GMP-compliant quality control methodologies, including spectrophotometry, to guarantee alignment with industry standards, yielding 15% enhancement in product quality
* Heightened testing efficiency by swiftly resolving QC equipment issues, curtailing downtime by 20%, and ensuring seamless laboratory operations
* Accomplished 100% data accuracy in audits by employing Excel, Python, SQL, and data cleaning software through effective integration of automated data solutions to refine processes

**University of Pennsylvania | Philadelphia, PA**

**Code Monsters (Academic Project) May 2022 – Nov 2022**

* Integrated YouTube and Vimeo APIs using Javascript and Node.js to elevate user interaction and maximize content viewership, fostering an optimized and engaging user experience
* Thoroughly organized MYSQL database and Google Firebase API to enhance authentication mechanisms, driving 30% rise in user engagement and fortifying data security measures

**University of Pennsylvania | Philadelphia, PA**

**Just TechNews (Academic Project) | May 2022 – Nov 2022**

* Notably designed high-performing social media application through development of Newsfeed feature utilizing Flask REST APIs, Python automation scripts, and Flask templates within Python and Flask server environment

**Fujirebio Diagnostics | Malvern, PA**

**Architect Data Transfer (Professional Project) | 2021 - Present**

* Upgraded data transmission processes through automation of Quality Control Data Transfer System, decreasing data transfer time by 50%, and capitalizing on Oracle server and Quality Control system
* Generated detailed reports using Power BI and Tableau to augment manufacturing reporting processes, refine quality control measures, and centralize Quality Control Data for improved decision-making and process efficiency

**Skills**

Statistical Analysis, Database Management, Optimization Techniques, Performance Tuning, Quality Assurance, Project Management, Research Proficiency, Regulatory Guidelines, Data Science, Machine Learning, Software Engineering

**Technical Skills**

Python, JavaScript, R, Tableau, Oracle, React, Node.js, MYSQL, PL/SQL, Postgre SQL, SQL, GraphQl, Data Science, C#, Matplotlib, Numpy, Pandas, PowerBI, Excel, dplyr