

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, Java, Tableau, Oracle, React, Node.js, MYSQL, PL/SQL, Postgre SQL, SQL, GraphQL, Data Science, C#, Matplotlib, Numpy, Pandas, PowerBI, Excel, dplyr, Git