\_\_ AWS Data Analytic Platform for The City of Vancouver

This comprehensive project demonstrates my ability to design and implement a cloud-based data analytics solution for a large municipal client.

Key Components:

- Implementation of a complete data analytic platform on AWS

- Utilization of various AWS services including S3, Glue, CloudWatch, and KMS

- Focus on security, reliability, and cost optimization

Phase 1 Highlights:

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- Data storage design using Amazon S3

- Data pipeline design and implementation with AWS Glue

- Data ingestion, cleaning, and structuring processes

- Data analysis and visualization setup

Phase 2 Highlights:

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- Data protection implementation using AWS KMS

- Data governance measures with AWS Glue Data Catalog

- Monitoring and logging setup with CloudWatch

Skills Demonstrated: Cloud architecture, AWS services, data pipeline design, security implementation, cost optimization

Data Quality Control Initiative

This project showcases my expertise in establishing robust data quality measures and frameworks.

Project Features:

- Development of a comprehensive Data Quality Control plan

- Implementation of data profiling and cleansing processes

- Establishment of data quality metrics and KPIs

- Creation of monitoring dashboards for real-time data quality tracking

- Design of training programs for data quality best practices

Key Aspects:

- Current state assessment of data quality challenges

- Definition and implementation of data quality metrics

- Development of data cleansing and validation procedures

- Setup of monitoring tools and reporting mechanisms

- Creation of staff training materials on data quality principles

Skills Demonstrated: Data governance, quality control, process improvement, training development

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These projects highlight my ability to work with complex data systems, implement cloud-based solutions, and establish data quality frameworks. They demonstrate my technical skills in AWS services, data pipeline design, and data governance, as well as my ability to translate technical concepts into actionable business strategies.

Citations:

[1] https://ppl-ai-file-upload.s3.amazonaws.com/web/direct-files/21495650/d98f7f35-64d7-4d3f-a4e5-3621cd144ecd/Portfolio-Project-Description.docx

[2] https://ppl-ai-file-upload.s3.amazonaws.com/web/direct-files/21495650/ea281e96-94f4-40c7-b638-25dcf805c376/24Summer-Project-Part-1-1.docx

[3] https://ppl-ai-file-upload.s3.amazonaws.com/web/direct-files/21495650/20b34238-8daf-4fb9-85c1-65a71a3daf8e/24Summer-Project\_-\_Part\_2-Vyshnavi.docx