

Matthew Morris

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TECHNICAL SKILL SUMMARY

LANGUAGES: SQL(DB2, Oracle, Postgres, Redshift), Python, R, RPGIV, PIG

SOFTWARE: Alteryx, DataGrip, Showcase Query, Oracle SQL Developer, Postgres, PGADMIN 4, Webi, Cognos, PowerQuery, Tableau, Quicksight, PowerBI, Looker, Excel, IBM(PAX), Cloudera(Hive, Impala), Workfront, Knet, Asana, Camtasia, Canvas

CLOUD: AWS(IAM, VPN, S3, Redshift)

EXPERIENCE

The experience listed below reflects looking at problems holistically to provide solutions that were beyond initial requests.

AMAZON

Seattle, WA

6/2022 to present

Sr. Application Developer

AWS Data Management Solution

- Developed and implemented administrative infrastructure including(roles, groups, users, security, VPN, and data access and dynamic IAM encryption with builderhub and brazilpython). This allowed leveraging AWS for further solutions and onboarding the team.
- Automated Weekly Quarterly workload of Knet to Excel reporting leveraging SQL and AWS(redshift, s3) solution. This reduced wait times for reporting from 3-4 weeks to 3 hours while also creating a baseline for enterprise reporting. With the new model data was now able to historically review 10 years of data instead of 1.
- Conducted audits to legacy logical issues. Surfaced and developed new data solutions which increased accuracy in QBR reporting. Found over 30 data logic issues and have developed solutions for increased accuracy for over 80% of issues.
- Removed PM maintenance needs by automating parameter inputs though SQL and cloud workflows.
- Trained Program Managers on the new environment and use of prepped data or published dashboards in Quicksight for new real time experience.

Enterprise Reporting Design

- Automated siloed SOP reporting and surfaced issues and solutions for conflicting logic in IC reporting. There is now a cohesive understanding and agreement on how many numbers should be created.
- Developed and provided Dashboards for organization that are now used for organizational reporting and scraping of data for IC workflows. Teams now have the ability to leverage dynamic self-service BI rather than manually inputting data and waiting for static reports to be produced.
- Introduced conceptual model and physical model for a Learner P&L POC. Introducing the ability to view value statements for Sr. leadership to see impact of training through metrics. Project has been prioritized and is currently in further development as the primary model of reporting for organization.

4/2020 to 6/2022

AMAZON

Seattle, WA

BI, Data Science Manager

Legacy Financial report transformation

- Lead team in conversion of manual extracted reporting and preparation into automated dynamic reporting, this included; Daily Revenue report, Corporate P&L, Digital Advertising and Media Bridging, and Quarterly Revenue Forecast for CFO and Sr. Leaders of Amazon. CFO has used new reporting for decision making due to increase in accuracy and dynamic flexibility for self-service research.
- Created EIS roadmap, strategy, conceptual framework and model. This model encapsulates several varying data sources and has allowed for coherent data management and 80% decrease in manual bridging.
- Created Data Governance implementation documentation. This created a standard and baseline for teams development and assisted in better development practices.

BI and Data Science team professional and technical team development

- Built a team of 11 FTE from 2 FTE including Business Intelligence Engineers, Application Analysts, Application Development Engineers, and Data scientists. The team original updated Cognos reports that were sourced via manually updated tables and some from spreadsheets. In order to support the vision of supporting better metrics for planning and analytics and the vision of dynamic self-service BI for customers in a short time frame the team needed to scale. The team was scaled in a few months and began delivering on several initiatives.
- Implemented best practices such as; Code Reviews, Documentation, Declaration statements, Object oriented over procedural logic. This increased accountability and mentorship throughout the team while enforcing best standards.
- Worked with partners and peers to ensure project timelines were accurate and deliverables were in scope. Using agile methodologies and project management mechanisms I was able to keep projects on time and in scope while partnering with our PMO team and business leaders.
- Conducted reviews, owned promotion documentation for 3 employees and facilitated job family transfer documentation.

7/2019 to 4/2020

AMAZON

Seattle, WA

Sr. Program Manager

Corporate Financial Tool Migration

- Lead program managers to move security from legacy(Cognos) system to new Megaminx(IBM Pax) system. This reduced overlap in reasonability and added clarity to who was accountable, who needed to do the work and who needed to be consulted or informed.
- Provide analytic solutions for program management team in the form of metrics gathering and reporting. Developing dashboard reviews reduced administrative time and increased visibility in the documentation and daily meetings.
- Lead program managers to create develop and give training courses. Using this method allowed scaling internationally. The previous system was blocked because of time and resources constraints. By pooling leaders together in a train the trainer model I was able to record content for international audience and then decompose that content into online materials.
- Conducted WBS, LOE for training and Security project plans. This allowed for a project plan that was 90 days and was delivered on time despite risks and scale.
- Created project charter, scope and risk analysis.

- Maintained change management log and other critical documentation. This documentation assisted in accountability and clarification on risk management with Sr. leaders.
- Created project management lifecycle template workbook for managing all artifacts. This living document has become an artifact used by myself and other project managers to follow a best practice checklist rather than re-invent with each new project.

3/2016 to 9/2020

GENERAL ASSEMBLY

Seattle, WA

Data Analytics Instructor/Content Creator

Technical Content Creator

- Created several Python and Data Science bootcamps and trained trainers for consistency of product. This led to students bridging the gap from Data Analytics to Data Science and assisted in Python fluency.
- Rewrote 60 hours of materials covering Business Analytics, Advanced Excel, SQL & Tableau.
- Developed Data analytics 3-hour workshops 6-hour SQL bootcamps.
- Content Dev and delivery for Data Science 3-hour workshop and a Python for data Bootcamps.
- Redesigned and developed SQL training for all General Assembly classes nationally and internationally.

Instructed over 80 cohorts and bootcamps

- Led 10-week cohort hands on workshops incorporating Agile XP throughout the coursework.
- Worked with board on content direction and training tips due to my cohorts high student evaluation rating.

7/2017 to 7/2019

COSTCO WHOLESALE

Issaquah, WA

Technical Project Manager, Sr. Data Analyst

Enterprise data and reporting platform migration

Led contractors and small team on an enterprise-wide migration project, 20k reports in DB2 to Oracle across 9 regions and 2 countries in 88 business days. This involved 2400 customers and required scaled logistics and strategy for quick delivery. I was singly responsible to lead this solution and worked closely with AVP and team along with several other VP's to deliver this on time. Every report was converted and working on new system by the deadline.

Developed Advanced Analytics team and hub spoke model throughout company.

- Designed a team to support/train and develop analytics initiative based on decentralizing BI and working closely with each business vertical for fast turn-around. This removed the stagnation of backlogged items and empowered customers to act in solution hubs. The team supported only solution leads and coordinated efforts among solution leads throughout the company.
- Worked on license agreements and enterprise-wide solution for Alteryx and Tableau distribution.
- Worked with IT teams to coordinate efforts and prioritize workloads. By using project management fundamentals, I was able to create accountable goals across teams, this removed ambiguity and delivered solutions 50% faster week over week through Kanban boards and 15 minute daily standup updates.
- Mentored and led Data Analytic Services team on career goals, interpersonal skills, and motivation for daily support needs. Performing this helped increase morale on team, keep them motivated and increased turn around time on ticket closures from weekly to daily.

3/2015 to 7/2017

COSTCO WHOLESALE

Issaquah, WA

Advanced Analytics Data Analyst

Predictive Wine SKU modeling for increased inventory control and insight.

- Developed Wine price point, stock, and varietal combination predictive analytics to assist buyers in inventory control. Reduced manual inventory control counts completely and increased buyer decision making through product scenario simulations. Increased YOY by 11 million for 1 quarter in test region.
- Developed Warehouse entity analysis. This allowed our team a tool to classify warehouse operating income to assist the business in warehouse placement.

Internal Content development training and mentoring.

- Developed of Python and Data Science Training for internal team. Increasing knowledge and skillset created output for our team and customers with emerging technologies and languages.
 - Created Tableau and Data Analytics training for business analysts. By identifying tiers of talent and providing the correct training, I was able to channel efforts towards newly skilled solution leads that would then work with mentoring their own teams.
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3/2013 – 4/2015

COSTCO WHOLESALE

Issaquah, WA

Merchandise Solutions Specialist

C-Suite reporting automation

- Automation of Executive Gross Margin Detail reporting and Damage and Destroy reports. This reduce manual touch points by 90% and increased scalable reporting for other teams. I was able to take a manual heavy system and reduce it into a script of 1hour of work. From there this allowed for development that combined reports into a portal for customers to enter prompts and have their own specialized versions of Gross Margin Detail reporting.
- Designed Net land of Cost audits to find discrepancy and money savings. The initial test discovered 800,000 in savings before handing it over to the customer for weekly use.
- Developed and processed data retrieval and analysis for over 24 of legal cases. This supported our legal teams in several varying cases. This included being deposed for systems I created to monitor our legal compliance with wine and beer sales.

Recreation of Multi-dimensional reports created using SQL and Excel.

- During a crisis moment the company lost all cubed reporting for executive operational reporting along with all code that was designed to support it. I was able to recreate all of the cubes using transactional data SQL and Excel. This was a company wide blackout that I was able to resolve with 2 weeks worth of effort.
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2/2012 – 3/2013

COSTCO WHOLESALE

Issaquah, WA

Human Resources Business Intelligence Analyst

Designed and developed Human Resource Data Warehouse.

- Organize and Automated 100's of manual processes. This removed 100's of hours of manual preparation work into workstreams that would be completed hourly with hands off SQL scripts.
- Created BI tables as control lookups to remove hardcoding. Allowing for dynamic inputs rather than manual updates to code or processes.
- Created a logical, conceptual and physical model of TCL, MIS, DSS and EIS reporting structure based on the lifecycle of an employee. This created a never before available holistic stream of thought dashboard to review every aspect of an employee's tenure.

Designed Company Wide succession planning dashboard

- Designed interactive themed succession planning map with drillable detail for VP's and Regionals within Excel. This assisted them in backfilling with employees who were willing to relocate, ready to promote into regions that had predictive needs arising. The company did not have Tableau or PowerBI so this was designed using SQL and Visual Basic.

Supported over 600 Adhoc reporting needs.

- Prepared reports for operations, budget, and diversity awareness meetings.
 - Prepared reports for union negotiations and employee agreements.
 - Created dashboards for company wide management and employee resource evaluations.
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2/2006- 2-2012

COSTCO WHOLESALE

Issaquah, WA

SQL Data Analytics Instructor

Developed and implemented Costco's first firm-wide Query training courses. This converted our company's business analyst with basic Excel skills into data analyst with SQL, basic statistics, advanced excel and emerging concepts in Business Intelligence and Data Analytics.

- Authored SQL/Query Fundamentals to Expert. 223 pages, 92 exercises.
 - Created four lectures totaling 20 hours of SQL and Business Intelligence fundamentals.
 - Trained over 2,000 business professionals in the US and Canada.
 - Designed and developed a scheduling database for classes and projects.
 - Design and develop e-learning courses.
 - Communicated technical concepts in a concise and simplified manner to the business community.
 - Critiqued other training programs offered at Costco.
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9/2001 – 2/2006

COSTCO WHOLESALE

Issaquah, WA

Data Warehouse Developer

- Developed the Costco Recall program, making it possible to reach customers with recalled products in less than 45 minutes to 2 hours rather than the legacy system of 2 weeks.
 - Created auto-data verification program for data history loads to ensure accurate and timely information. This reduced manual auditing of the data(6 hours each day) to an automated alert system.
 - Analyzed Executive membership customers to capture trends to maximize customer loyalty programs.
 - Customized and created multi-dimensional cubes for store managers nationwide that responded to immediate needs; including product placements, monitoring employee efficiency, price point and competitive analysis, track return-to-vendor (RTV) items.
 - Redesigned manual counting processes into Auto reporting to assist with response times in merchandising products, schedule employees, track damage and destroy, and review items returned to vendor.
 - Developed customized reports, multi-dimensional cubes and complex relational queries for all corporate and regional offices departments.
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EDUCATION

2023-2025	MBA Information Technology Management	Western Governors University
2022	MS Data Analytics	Western Governors University
2021	BS Data Management and Analytics	Western Governors University

CERTIFICATIONS

2020	Data Analyst nanodegree	Udacity
2020	Data Analyst	CIW
2020	IT Information Library Foundations (ITIL)	Axelos
2019	Site Development Associate	CIW
2019	AWS Cloud Practitioner	Amazon
2018	Project+ PK0-004	CompTIA
2018	Network+ N10-007	CompTIA
2018	A+ 901,902	CompTIA
2017	Data Science	General Assembly
2016	Data Analytics	General Assembly
2015	Data Analytics	Cloudera
2005	Essbase Application Manager	Hyperion Essbase
2002	Data Warehousing Fundamentals/Data Modeling	Data Warehouse Institute
2001	RPG programmer	IBM

REFERENCES

Don Snyder, AVP IT Information Management, Costco Wholesale

<https://www.linkedin.com/in/don-snyder-1a9a38192/>

Kyle Wierenga, Global Information Technology and Analytics VP, Burton Snowboards

<https://www.linkedin.com/in/kyle-wierenga/>

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