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| **Sean Hutton***Leader in Data Architecture, Engineering, Analysis, and User Experience* | (480) 331-7301cv@shutton.cloud<https://shutton.cloud/> |

**Summary**

Creative and adaptive data architect/engineer with strong technical, quantitative and communication skills looking to be a leader in a data driven environment with a focus on enabling effective decision making through advanced data analytics and self-service solutions.

**Professional Qualifications**

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| * Azure Synapse / Data Factory
* Azure Databricks / Databricks
* SQL / T-SQL / MySQL / SparkSQL
* SSMS / SSRS / SSIS
* Power BI / DAX
* Power Apps / Power FX
* Power Automate / Flow
* Dynamics 365 CRM / F&O
 | * Data Analysis,
* Data Modelling
* Data Warehousing
* Data Visualization
* Team Leadership
* Business Strategy
* PowerPoint / Presentation
* Agile Methods / SCRUM
 | * CI/CD / DevOps / TFS
* **Other Software:** PHP, Python, VB, PowerShell, XML, HTML/XHTML, JavaScript/JAVA, FTP/HTTP, Power Pivot / Power Query, Adobe Creative Suite (Photoshop, Illustrator, etc.), Salesforce.com, Microsoft Office Suite (Access, Excel, Outlook, etc.)
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**Example Major Project**

*Planned and executed the application of an enterprise self-service solution using Power BI to connect to an enterprise data warehouse and act as the single source of truth for the company.*

* Developed and presented project plan and roadmap for executive approval.
* Wrote highly efficient and complex SQL queries to obtain, clean, and normalize data.
* Created architecture for robust data mart using advanced data modelling techniques.
* Designed and implemented guided app experience, including dashboards for business KPIs using clean data.
* Created documentation for data marts, including a data dictionary and self-service tutorials.
* Acted as a trainer and evangelist for the new self-service platform to promote adoption by business users.

**Professional Experience**

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| Senior Consultant II – Data & AI | Sep 2022 – *Present* |
| *Neudesic, an IBM company* | *(Remote) Phoenix, AZ USA* |
| Client: A billion-dollar major provider in the energy/utilities sector.Project: Enterprise data engineering for estimate redesign initiative. | *Jul 2023 – Apr 2024* |
| *Goal: Develop a solution to enable reporting for the accuracy of a machine learning algorithm used to determine power restoration estimates communicated to customers.** Created a pipeline for new tables and views in Databricks to pull data from source systems regarding outage notifications and relevant customer and work order information.
* Helped define new logic and calculations for enterprise estimate accuracy metrics.
* Designed Power BI reports to track the accuracy of estimates sent to customers including new KPIs, metrics, and streamlined visualizations.
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| Client: A billion-dollar major provider in the energy/utilities sector.Project: Customer notifications optimization and reporting. | *Oct 2022 – Jul 2023* |
| *Goal: Increase visibility into the completeness, quality, and timeliness of notifications sent to customers when they experience an outage event, with further visibility into anomalies that could help identify defects and meet company goals.** Created a storm operations dashboard to help inform business users and response teams of outage notification performance during extreme weather events and allow action to be taken faster in response to weather-related power outages.
* Implemented Power BI REST API integration to facilitate data-availability aligned with the source data refresh frequency.
* Designed a system within Power BI for on-visual help/data definition to improve usability and governance.
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| Lead Data Architect | Jun 2022 – Sep 2022 |
| *RPM Specialty Products Group* | *(Remote) Phoenix, AZ USA* |
| * Developed and maintained existing enterprise data warehouse within Azure SQL Server as the sole data resource for 20+ companies within the group. Primary data source of D365 Finance and Operations with a BYOD solution.
* Created and presented a project plan and roadmap to transition away from the existing data warehouse to an Azure Data Lakehouse (Delta Lake from Databricks) model using Azure Synapse, Azure Logic Apps, and CDM conversion framework.
* Created and presented a project plan to relaunch Power BI group wide with the data lakehouse as the single source of truth, which gained buy-in from executive leadership.
* Managed a team of offshore employees that handled report development requests within Power BI using existing data warehouse.
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| Enterprise Data Manager | Jan 2020 – Jun 2022 |
| *Sanitation Specialists* | *(Remote) Phoenix, AZ USA* |
| * Investigated and implemented new technology solutions for all company functions.
* Built and managed a team of Business Analysts, Business Applications Developers, and UX/UI Designers to create custom solutions for complex business problems.
* Built and managed an internal IT department (Help Desk & Sys Admin, transitioned from 3rd party IT support.)
* Developed custom internal applications to be used as solutions to business problems spanning a wide variety of uses across Accounting, Human Resources, Operations, etc.
* Created a custom mobile app designed for customers to promote communication, fast and easy reporting, and resolution of issues & damage claims.
* Migrated ETL pipelines from SQL Server to Azure Synapse/Data Factory.
* Engineered historical Type 2 SCD tables from static/dimensional Dynamics 365/Dataverse source systems in Azure Synapse.
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| Business Intelligence Architect | Mar 2019 – Jan 2020 |
| *Sanitation Specialists* | *(Remote) Phoenix, AZ USA* |
| * Created data architecture foundation (data modeling, ETL, data mart) for a data warehousing solution using legacy ERP and Dynamics 365 data sources in Azure Cloud / Data Lake.
* Developed SQL queries to facilitate denormalization of highly normalized database source systems.
* Defined standards for previously uncategorized data, including definition for commonly used metrics to create a single source of truth.
* Designed dashboards for executive and field use to inform decision-making and enable score-carding.
* Designed and coded Microsoft PowerApps for the purpose of increasing operational efficiency and reducing overhead costs by transitioning manual processes to automated solutions.
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| Business Intelligence Analyst II | May 2017 – Mar 2019 |
| *Sanitation Specialists* | *(Remote) Phoenix, AZ USA* |
| * Designed, implemented, and maintained data marts optimized for natural language query to enable robust business user self-service through Microsoft Power BI and Excel.
* Developed complex SQL queries to deliver enriched data and enable impactful reporting.
* Created and maintained several high-efficiency large scale data models using transactional, snapshot, and Type2 SCD database tables from disparate sources.
* Developed high-level KPI dashboards for executive team use, with robust drill-in functionality for self-service exploration of the data.
* Designed and implemented row-level security for data models to ensure data governance needs are met.
* Created DAX methodology in Power BI to enable highly dynamic filtering of data models.
* Established standards for BI reporting, publications, presentations, and documentation.
* Helped establish and evolve Agile/SCRUM implementation to fit department needs.
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| Sales Data Specialist | Aug 2013 – May 2017 |
| *Cable ONE* | *Phoenix, AZ USA* |
| * Designed, created, and maintained Microsoft Access databases for company sales statistics.
* Created and maintained reporting for company sales statistics.
* Calculated and entered commission amounts for sales representatives.
* Worked with management to define, model, and implement commission and bonus structures for sales representatives.
* Audited reported sales figures against profit & loss reports for accuracy and accountability.
* Processed emails from sales team leadership regarding inquiries and auditing requests for sales representative commission and bonus amounts.
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| Data Specialist | Jan 2010 – Aug 2013 |
| *Cable ONE* | *Phoenix, AZ USA* |
| * Created and updated Excel reports revolving around call center and workforce management metrics, including supervisor scorecards with macros to refresh metrics from external data sources.
* Established a daily email report of call center KPIs to be distributed to leadership and executive teams.
* Managed scheduling for call center employees.
* Handled email scheduling requests and inquiries from call center employees.
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| Solutions Specialist II | May 2008 – Jan 2010 |
| *Cable ONE* | *Phoenix, AZ USA* |
| * Handled calls from frontline technical support agents to assist with high-speed internet and VoIP technical issues.
* Handled calls from businesses customers and field technicians to assist with advanced issues.
* Accepted escalation calls from frontline associates to assist with advanced issues and/or irate customers.
* Assisted with refinement of standard operating procedures and documentation.
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| Solutions Specialist | Jul 2007 – May 2008 |
| *Cable ONE* | *Phoenix, AZ USA* |
| * Handled customer calls regarding technical issues with high-speed internet, VoIP, and Wi-Fi issues.
* Facilitated upgrade sales and account detail changes.
* Trained peers in call efficiency and SOP techniques.
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Professional references available upon request.