Caleb Kirsch

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WORK EXPERIENCE

Business Analyst & Power BI Developer; Utah Transit Authority; Salt Lake City Metropolitan Area

Jan 2022 – Present

- Key member of transformation team migrating agency analytical and reporting systems from fragmented Microsoft Excel and SSRS environments to a sustainable framework of data warehousing and Power BI.

Refinery Planning Analyst & Power BI Developer; Chevron; North Salt Lake, UT

May 2020 – Dec 2021

- Performed a monthly "lookback analysis" on refinery operation to assess KPI performance vs. business plan benchmarks. Ran cases in the refinery linear program optimizer, collected refining "big data", and utilized domain and analytical knowledge to model these outputs into actionable insights for refinery leadership. Enabled strategic investments to improve facility reliability, efficiency, and profitability.
- BI subject matter expert for the refinery; administered multiple high-complexity Power BI models.
- Coordinated the refinery process improvement program, evaluating the highest-impact projects using traditional financial metrics (ROR, DPI, NPV). Worked with project managers to select the appropriate project methodology (Six Sigma, Lean, Agile, traditional) and provided process and business domain knowledge as necessary to drive projects to completion.

Refinery Tier 3 Gasoline Specialist & Power BI Developer; Chevron; North Salt Lake, UT

Sep 2019 – Apr 2020

- Subject matter expert for EPA Tier 3 gasoline strategy & compliance – a high-complexity project which significantly reduced automobile sulfur emissions in the Salt Lake area. Developed Power BI platform to summarize refinery Tier 3 status, monitor various process streams, and forecast EOY results.
- Coded tool in Microsoft Power Query to migrate process engineering monitoring tools from individual Excel workbooks into a modernized, sustainable framework (OSIsoft PI system). This tool was used across the global Chevron refining system to modernize and standardize monitoring tools for over 100 process units.

Refinery Process Engineer; Chevron; North Salt Lake, UT

Mar 2016 – Aug 2019

- Primary technical support for various refinery operational units including the technologies of catalytic conversion, distillation, pollution control, and water treatment. Focus included optimization of unit yields, profitability projects, and development of work scope for outages.

Refinery Process Engineer; Chevron; Pascagoula, MS

Jun 2012 – Feb 2016

EDUCATION

Mississippi State University; Starkville, MS

May 2012

- BS, Chemical Engineering; Minor in Mathematics; *magna cum laude* (GPA: 3.7/4.0).

RELATED SKILLS

- Advanced proficiency (4yr) in Microsoft Power BI (Dataflows, Power Query, Tabular models, DAX, visuals).
- Advanced proficiency (4yr) using various flavors of SQL to query data warehouses & relational models.
- Expert proficiency (10yr) in Microsoft Excel (Power Query, Power Pivot, table & array operations, visuals).
- Expert proficiency (10yr) in Microsoft Office products (SharePoint, Word, PowerPoint, Outlook, Visio).
- Trained in Agile/Scrum project management methodologies and familiar with Azure DevOps.