

Canute Jacobsen, Data Engineer

me@heyacanute.com | 682-225-5054

Professional Summary

Data Engineer with 3 years of experience designing architecture and pipelines for both OLTP and OLAP systems in Azure and the SQL Server suite. Adept at creating solutions for BI reporting stacks as well as designing schemas capable of driving applications.

Work Experience

SafePoint MGA, LLC

Temple Terrace, FL

Data Engineer | Database Administrator

04/2023 - Present

- Built performant OLAP solutions driving data insights that enabled a Property & Casualty corporation to scale to \$1B+ in valuation
- Centralized reporting across the company's vendor ecosystem by constructing SSIS packages to function as ETL pipelines for the cleaning, formatting, and aggregation of third-party data
- Overhauled a key XML processing workflow relied on by the largest revenue-driving unit, improving efficiency and halving execution time
- Lead the design of the OLTP architecture of the company's second in-house cloud platform and assisted in the design of the first, facilitating the transition away from the reliance upon expensive and unnecessary vendors
- Data mined to reverse-engineer complex vendor schemas for streamlining data integration and accelerating warehouse development
- Served as the sole database administrator, managing user permissions, tuning user queries, performing on-demand server diagnostics, and designed the disaster recovery plan that is still in use today
- Spearheaded company-wide exception reporting development, enabling proactive issue detection and reducing reporting errors across departments
- Built ad hoc console apps and SSIS workflows to automate departmental processes, saving several hundred labor hours monthly

UCF Directed Independent Study

Remote

Student

08/2022 - 12/2022

- Interned under Dr. Teng Zhang, exploring linear and non-linear predictive models for regression and classification problems
- Identified groups within data by performing clustering methods and simplified data exploration via principal component analysis
- Leveraged RStudio libraries (*leaps*, *splines*, *glmnet*, *randomForest*) to complete data analysis tasks effectively

Publix Supermarkets

Wesley Chapel, FL

Produce Clerk

10/2021 - 04/2023

- Maximized profit margins and minimize inventory loss by applying the FIFO method
- Fulfilled customer requests and guided customers toward other store products based on their inquiries
- Implemented weekly sales report data by pivoting fast-selling products into high-traffic areas

Education

University of Central Florida

01/2018 - 12/2022

Bachelors of Science in Mathematics

Technical Skills

Technologies: OLTP & OLAP Modeling, Data Warehousing, ETL / ELT, Batch Processing, Platform Operations, Reporting & Exception Management

Tools: MSSQL (On-prem & Azure IaaS), Azure SQL PaaS, SSIS, SSMS, SSRS, Neovim, VS Code, Git, SSH

Languages: T-SQL, ANSI SQL, Python, Bash, Powershell, R, XML, HTML5, CSS3, JavaScript (Vanilla)

Certifications and Awards

- DP 900 Azure Data Fundamentals - January 2025
- SQL For Data Science from UC Davis, Provided by Coursera - February 2023
- UCF Dean's List - Summer 2018