Jisung Woo

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EXPERIENCED DATA ENGINEER

Self-driven and innovative Data Engineer with a robust IT and data integration background. Skilled in managing and integrating data into Data Warehouses using ETL tools like SSIS, and migrating data from SQL Server to Azure Data Factory. Proficient in data automation, mining, modeling, and warehousing to optimize data accessibility for business insights. Implement CI/CD pipelines and create data visualizations to support analytics. Experienced in designing SQL Server stored procedures for automating Power BI dashboard updates and optimizing table designs. Committed to continuous growth, fluent in English and Korean, with strong communication and teamwork skills.

EDUCATION

W. P. Carey School of Business at Arizona State University   August 2023 – December 2024
Master of Science, Business Analytics   Tempe, AZ
Arizona State University   August 2016 – December 2020
Bachelor of Science, Computer Information Systems   Tempe, AZ

SKILLS

- **Programming Languages:** SQL, Oracle SQL, MySQL, Python, HTML, CSS, JavaScript, Java, Linux, MATLAB
- **Programming Tools:** SQL Server, SSIS, Salesforce, ADF, Power BI, MySQL, Azure, Microsoft Excel, GitHub, React
- **Technical Skills:** Data Automation, Data Mining, Data Modeling, Data Warehousing, ETL/ELT, CI/CD, Data Visualization
- **Languages:** English (Advanced Proficiency), Korean (Advanced Proficiency)

EXPERIENCE

Data Engineer   March 2022 – July 2024
ASU Enterprise Partners   Tempe, AZ

- Automated weekly and monthly manual data loading processes by establishing connectivity between SQL Server and Azure Blob Storage and employing SSIS and/or ADF to create and manage data loading jobs, achieving 100% elimination of human error.
- Led a successful data migration of SSIS jobs, stored procedures, and packages to Azure Data Factory.
- Developed and implemented data deduplication strategies, significantly improving data quality by eliminating hundreds of duplicates.
- Designed and created stored procedures in SQL Server, to automate the scheduling of updates for Power BI dashboards, and to optimize table and attribute design to reduce reliance on DAX language when creating Power BI dashboards.
- Organized jobs, packages, and their connections in SSIS and SQL Server to ensure seamless processes during updates.
- Developed and implemented jobs in SQL Server and packages in SSIS to optimize and automate ETL/ELT processes.
- Managed and integrated data from diverse sources into Data Warehouse and Salesforce through ETL/ELT and SQL technologies.
- Conducted data transformations within the data warehouse and constructed tables for analytical reporting.
- Developed new and managed existing integrations between SQL Server databases, Workday, Salesforce, and Power BI

Technical Solution Analyst   February 2021 – March 2022
Oracle - Cerner Corporation   Kansas City, MO

- Successfully troubleshot Order Management software, led investigations, and maintained a 90%+ highly satisfied client rating while efficiently meeting SLA (Service-Level Agreement) deadlines and managing a team with the highest queue size of 90 to 110 tickets.
- Collaborated and analyzed complex issues across specialized teams in the organization.
- Drove investigations of Java-based front-end applications using SQL, troubleshooting tools, and end-user shadowing.
- Identified bad data in remote hosted databases through Oracle SQL-based proactive checks.
- Investigated issues with Oracle SQL queries, server logs, and executed update statements while following safe change procedures.
- Troubleshot technical issues, like code defects, software configurations, and user errors, working closely with development teams.
- Provided 24/7 on-call support to resolve immediate priority issues impacting patient care and health information.
- Consistently met and surpassed the set monthly goal of closing two tickets per day.

PROJECT

React Personal Portfolio   July 2024 – Current
Independent Project (github)   Tempe, AZ

- Design and develop a portfolio website using React, incorporating HTML, CSS, and JavaScript to create a dynamic and visually appealing online presence
- Create and modify the project using Generative AI (ChatGPT).
- Published the portfolio website to the public using GitHub, accessible at https://jisungwoo.github.io/jisung_website/.