

## EXPERIENCED DATA ENGINEER

A Self-driven Data Engineer with strong experience in IT systems and data integration. Skilled in building ETL pipelines using Snowflake, Control-M, Informatica SSIS, SQL Server, and ADF. Proficient in data automation, modeling, warehousing, and dashboard optimization. Experienced in designing SQL Server stored procedures for automating Power BI dashboard updates and optimizing table designs. Fluent in English and Korean with a collaborative mindset and a commitment to continuous growth.

## EDUCATION

<b>Arizona State University, W. P. Carey School of Business</b> – M.S. in Business Analytics	August 2023 – December 2024
<b>Arizona State University</b> – B.S. in Computer Information Systems	August 2016 – December 2020

## SKILLS

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

## EXPERIENCE

<b>Data Engineer II</b> Honeywell	August 2024 – Current Phoenix, AZ
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<b>Data Engineer I</b> ASU Enterprise Partners	March 2022 – July 2024 Tempe, AZ
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- Automated data loading workflows using SSIS and Azure Data Factory, eliminating manual data loading and human error and by establishing connectivity between SQL Server and Azure Blob Storage and employing SSIS and/or ADF.
- Led migration of legacy SSIS workflows and stored procedures to Azure cloud platforms.
- Designed and implemented data deduplication routines, improving accuracy across business systems.
- Developed SQL Server procedures to automate Power BI dashboard updates and reduce DAX complexity.
- Built and optimized ETL/ELT pipelines integrating data from SQL Server, Salesforce, Workday, and Azure Blob Storage.
- Transformed and structured data for reporting and analysis within the enterprise data warehouse.

<b>Technical Solution Analyst</b> Oracle - Cerner Corporation	February 2021 – March 2022 Kansas City, MO
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- Investigated and resolved complex front-end and backend data issues across enterprise applications using SQL, log analysis, and proactive Oracle-based monitoring—maintaining 90%+ client satisfaction while meeting SLAs.
- Collaborated cross-functionally to troubleshoot data integrity problems, perform safe SQL updates, and stabilize data flows across systems and teams.

## PROJECT

<b>React and ChatGPT Personal Portfolio</b> Independent Project (GitHub)	July 2024 – Current Tempe, AZ
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- 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/](https://jisungwoo.github.io/jisung_website/).

<b>MS-BA Capstone</b> Tennis Performance Analytics	June 2024 – December 2024 Tempe, AZ
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- Designed and implemented an end-to-end video analysis pipeline using Python, Jupyter Notebooks, and machine learning models to extract actionable tennis performance insights.
- Leveraged YOLOv8 pretrained models to detect and track players, rackets, and ball in match footage, achieving real-time object detection without manual annotations.
- Automated ball speed measurement per frame and generated structured data for performance reporting using OpenCV, YOLOv8, and custom Python scripts.
- Collaborated in a cross-functional team to develop prototype tools supporting AI-driven coaching and scouting strategies from over 20,000 archived match videos while reducing processing time by 90%+.