

Grace Kim

Analytics Engineer & BI Developer

United States | [LinkedIn](#)

Data Engineer specializing in BI & Analytics Infrastructure. I build end-to-end data platforms—from ingestion pipelines to executive-facing dashboards—for companies turning fragmented data sources into a single source of truth.

I'm currently building the data platform for a global content company, designing a Medallion Architecture (Bronze/Silver/Gold) on Microsoft Fabric that integrates 60+ external ad network APIs into a unified revenue pipeline. The work spans every layer: PySpark ingestion notebooks, Delta Lake MERGE logic, Gold-layer aggregations, and Power BI dashboards with custom DAX measures that leadership now relies on for monthly revenue reporting.

Before data engineering, I spent over 7 years as a simultaneous interpreter for C-level executives across industries. That background turned out to be unexpectedly useful—much of data engineering is translation: from business questions into data models, from raw API responses into trusted metrics, from technical trade-offs into language stakeholders can act on.

What I bring: • 0-to-1 data platform builds (Bronze/Silver/Gold, Delta Lake, Microsoft Fabric) • Multi-source API integration at scale (60+ ad networks unified into a single schema) • Production PySpark, SQL, and Power BI (DAX, semantic models, matrix-based reporting) • Ad tech and digital revenue domain depth • Bilingual (English/Korean) stakeholder communication

EXPERIENCE

Data Engineer (Ads Operations & Corporate Finance)

Nov 2025 — Present

NAVER WEBTOON

United States

Partner directly with the Corporate Finance Head and Ad Operations team to architect the first unified revenue reporting platform across parent and subsidiary entities on Microsoft Fabric.

Power BI Dashboards

- Designed executive-facing Power BI dashboards (DAX, Power Query) unifying revenue performance, KPI attainment, and YoY variance across parent and subsidiary entities

- Built semantic models on star schema (1 Fact + 4 Conformed Dimensions) with optimized DAX and standardized KPI definitions

Data Engineering

- Reduced manual reporting workflows by ~90% (10+ hrs/week → under 1 hr) via automated daily pipelines integrating 60+ ad networks

- Established Bronze/Silver/Gold medallion architecture with data quality validation across the lakehouse

□□ Stack: Microsoft Fabric (Lakehouse equivalent to S3 + Databricks + Airflow + dbt unified) · PySpark · SQL · Power BI · DAX · REST APIs · Power Automate · Microsoft Copilot

Business Intelligence Analyst

Jun 2025 — Aug 2025

Applied Medical

United States

- Drive the entire process of designing and building Power BI reports and visualizations by using Power Query to extract and transform data from various systems, such as SAP HANA Views and SQL databases.

- Collaborate within cross-functional teams to define reporting requirements, document business process workflows—including manual steps and pain points—and develop clear resolution roadmaps.

- Compile and optimize a list of reports/workspaces to facilitate the transition of Power BI reports to Fabric

Data Analyst (Capstone)

Jan 2025 — Jun 2025

Johnson & Johnson

Irvine, CA

- Analyze Johnson & Johnson's historical sales data from over 2,000 hospitals, integrating Medicaid datasets to identify retention trends, at-risk accounts, and untapped market opportunities

- Executed advanced customer segmentation and cohort analysis using K-Means clustering, and developed predictive models (XGBoost, Random Survival Forest) to forecast churn risk and high-value accounts achieving 84% test accuracy

- Developed interactive dashboards in Tableau and Power BI by integrating Python and SQL pipelines, delivering actionable insights to support sales strategy, marketing, and stakeholder decision-making

Technical Writer - LLM, AI, Localization

Nov 2022 — Jul 2024

Applied Materials

Partnered with engineers, translators, and external vendors to deliver high-quality French-Korean-English datasets suitable for AI translation (LLM) and localization

Project manager (Business Intelligence)

Aug 2020 — Nov 2022

Astellas Pharma

Seoul

Led end-to-end operational analytics projects with direct CEO reporting, combining workforce data with financial impact analysis to achieve a 50% reduction in maintenance costs and improve organizational efficiency

Technical Interpreter and Translator

May 2019 — Apr 2020

삼성전자

Suwon, South Korea

Optimized global talent management policies by applying people analytics to onboarding, retention, and engagement data, improving employee experience and strengthening Diversity, Equity & Inclusion (DE&I) strategies

Communications Specialist Micron Technology Collaborated with Fab process and quality engineers to facilitate data-driven communication between technical teams and management during yield improvement and production readiness projects.	Nov 2018 — Feb 2019 Singapore
Technical Translator (Localization) Hyundai Motor - Translated and aligned 200+ complex business/technical documents, creating bilingual datasets that mirrored AI/training data structures. - Applied structured markup/tagging (formatting, metadata) in 100% of translation workflows, improving clarity and consistency and enabling seamless collaboration across 10+ global teams. - Localized 200+ corporate materials into English with annotation and linguistic markup, adapting terminology, tone, and cultural nuance to ensure 95%+ accuracy and user acceptance. - Reviewed and edited 300+ translated documents for compliance with corporate style guidelines, enhancing QA processes and reducing revision cycles by 20%.	Nov 2017 — Nov 2018 Korea
Intern(IT Department) KOTRA	Aug 2012 — Jan 2013 Seoul

EDUCATION

University of California, Irvine - The Paul Merage School of Business <i>Master of Science - MS in Master of Science in Business Analytics (MSBA)</i> UCI Merage Business School Scholarship Recipient Coursework: Statistics, Data & Programing Analytics, Machine Learning Analytics, Foundations of Business Analytics, Management Science for Analytics, Customer and Social Analytics, Natural Language Processing (NLP) and Applications, Business Data Management	Aug 2025
Graduate School of Interpretation & Translation, Seoul University of Foreign Studies (SUFS) <i>Master's degree in Korean-English Interpretation and Translation</i> Coursework : Introduction to Interpretation & Translation, International Business management, Advanced Translation, Consecutive Interpretation, Simultaneous Interpretation, Specialized Translation (Economic and Industrial Areas), Specialized Translation (IT and Technical Areas), Specialized Translation (Legal and Political Areas), American Studies: Culture and Composition, Advanced Korean Language	
인천대학교 <i>Bachelor of Arts - BA in French language and literature</i>	

CERTIFICATIONS

Introduction to Python , DataCamp	Jun 2024
All Applied Materials Product Overview (AAMPO) , Applied Materials	Apr 2024
Introduction to Probability and Data with R , Duke University	Jan 2024
Intermediate SQL , DataCamp	

SKILLS

Airflow · Data Build Tool (DBT) · Data Modeling · Data Pipelines · Microsoft Fabric · Power BI dashboard · Data Architecture · Localization · Power BI · Microsoft Excel · Tableau · Machine Learning · 마이크로소프트 패브릭 · powerbi · Microsoft Azure · SAP · Data Visualization · Microsoft Office · Natural Language Processing (NLP) · Linguistics · Data Linguistic · Foreign Languages · Team Leadership · Interior Design · Automotive · Automotive Design · Interpersonal Relationships · Conference Interpreting · Presentations · Communication · Semiconductor Process · Total Productive Maintenance (TPM) · Semiconductor Process Technology · Analytical Skills · Corporate Communications · Problem Management · Problem Solving · Time Management · Operation Efficiencies · Resource Management · Presentation Skills · Interpersonal Skills · Interpersonal Communication · 전략커뮤니케이션 · 대인관계 소통 · 프레젠테이션 기술 · 타임라인 · 리소스관리 · 문제관리 · 대인관계 기술
