Kyoungin (Kellan) Nam

Data Engineer

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Summary

Experience developing data pipelines for various structured and unstructured data such as image and audio formats through diverse projects. Practical knowledge of Python, with experience using PyTorch, Spark, Whisper, and other AI models. Studied distributed systems by applying Kafka in various environments. Experienced with SQL databases, particularly PostgreSQL for data management and optimization. Familiar with cloud platforms like AWS, GCP and Azure, as well as on-premises systems. Proficient in Tableau and Power BI for creating dashboards.

Experience

Vori | Voice to Reports — Backend Developer   ⭘ GitHub repo   🔗 LinkedIn Post

WebSocket   OpenAI Whisper   Python   FastAPI   Typescript   Node.JS   Express   Prisma   PostgresSQL   Apache Kafka   Apache Spark (PySpark)   Docker   GCP VM   Swagger

AWS Lambda   AWS EC2   AWS S3   AWS MSK   ← Legacy Project

- Built a real-time transcription system using WebSocket and Whisper to convert meeting audio into text.
- Utilized generative AI to turn transcribed meetings into Kanban tasks with automated management.
- Leveraged Spark for analytics and LLM for advanced decisions to boost efficiency and reduce token usage.
- Designed a highly scalable service using Kafka partitioning and a microservices architecture.
- Redeveloped the legacy AWS-based project, improving workflow speed by 57% and reducing costs by 83%.

🍳 MakeEat | From Receipts to Delicious Recipes with AI — Backend Developer   ⭘ GitHub repo   🔗 LinkedIn Post

Javascript   Node.JS   Express   Python   FastAPI   PyTorch   Prisma   PostgresSQL   Swagger

- 56.19% improved text recognition accuracy compared to Google's Tesseract OCR alone.
- 80.67% reduced API costs by preprocessing text instead of sending raw images to GPT-4.
- 30% faster processing speed compared to direct image analysis with GPT-4.
- 55.13% more accurate nutritional analysis compared to similar recipe apps in the market.

FPT Software (Hanoi, Vietnam) — Data Analyst   📅 Jul 2024 - Aug 2024

Power BI   SQL Server   Azure Data Factory

- Managed a system to monitor attendance and commuting records for employees across global offices.
- Extracted data from APIs and SharePoint using Azure Data Factory for integration.
- Processed data with SQL queries and SRS documentation in SQL Server.
- Visualized data through real-time dashboards using Power BI for reporting and analysis.

Education

Information Technology,
Bachelor of Engineering   — Kookmin University (Seoul, South Korea)   📅 Mar 2019 - Feb 2026

International Business,
Bachelor of Business Administration   — Kookmin University (Seoul, South Korea)   📅 Mar 2019 - Feb 2026

Skills & Tools

Technologies

DP related	Apache Kafka Apache Airflow Apache Spark PySpark PyTorch
BE related	Prisma PostgresSQL SQL Server SQLite Docker Swagger Typescript Javascript Node.JS Express Python FastAPI
DA related	Power BI Tableau
CL related	AWS Cloud Azure Cloud Google Cloud Platform (GCP)

Certificates

SQL Developer   Microsoft Certified: Azure Fundamentals   Microsoft Certified: Azure Data Fundamentals   HSK Level 3   TOEIC (905)