

Ekachai Suriyakriengkri

SENIOR DATA ENGINEER

Bangkok, Thailand · Open to relocation: Singapore / Japan

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Summary

Senior Data Engineer (~5 years) who builds and runs data pipelines and platforms end-to-end — from a self-deployed open-source data lake on AWS to a governed Azure Databricks lakehouse serving 100+ dashboards and 1000+ users. An M.S. in Financial Engineering and prior bank credit-risk modeling add rare financial-domain depth.

Skills

Data Engineering & Big Data	Apache Spark / PySpark, Azure Databricks, Delta Lake , Spark SQL, Lakehouse, ETL / ELT, Data Pipelines, Medallion Architecture, Data Modeling (Dimensional), Data Warehousing, Data Quality, Parquet
Programming	Python, SQL , T-SQL
Cloud & Data Stores	Microsoft Azure, AWS , EMR, Glue, Athena, S3, Lambda, PostgreSQL, MySQL, Microsoft SQL Server (MSSQL), Hadoop / Impala
Orchestration & DevOps	Apache Airflow, Azure Data Factory , Self-Hosted Integration Runtime, CI/CD, Azure DevOps, Jenkins, Git
Integration & Governance	Data Governance, Row-Level Security (RLS) , SAP, Salesforce, SSIS, Airbyte, Change Data Capture (CDC), REST API, Unity Catalog, IoT Data
BI, Analytics & Domain	Power BI, Credit-Risk / Financial Services , Apache Superset, Metabase, SAS, Econometric Forecasting
Spoken Languages	Thai (native), English (professional)

Experience

Senior Data Engineer

Bangkok, Thailand

CENTRAL PATTANA PCL (CPN)

Sep 2021 - Present

- Built CPN's first data platform on a self-deployed open-source AWS stack (Apache Airflow, Airbyte, Spark on EMR, S3/Glue/Athena, Superset/Metabase), and now operate and harden the org's Azure Databricks lakehouse.
- Engineered ~50 batch ETL/ELT data pipelines with custom data-quality checks across finance, leasing, HR, marketing, and operations.
- Integrated hybrid sources via Azure Data Factory self-hosted integration runtime - SAP, Salesforce, on-prem PostgreSQL/MySQL, a legacy MSSQL/SSIS warehouse, AWS-hosted PostgreSQL, and third-party IoT cloud.
- Right-sized serving with PostgreSQL as a warehouse for sub-1TB datasets, powering low-latency dashboards instead of heavier lakehouse compute.
- Operationalized the company's vendor-implemented Azure Databricks lakehouse: built CI/CD (Azure DevOps, Jenkins) and Databricks/Azure Data Factory engineering standards.
- Implemented medallion (bronze/silver/gold) architecture on Delta Lake and reworked ETL with Spark tuning (partitioning, Z-ordering, cluster right-sizing) - cutting Azure compute cost ~20% and landing core datasets by T-1 (next-day).
- Established data governance - row-level security (RLS) for row-scoped access, plus workspace access controls and analyst/engineer onboarding.
- Enabled self-service BI across 100+ dashboards and 1000+ users - Superset/Metabase on AWS, Power BI on Azure.
- Mentored junior engineers, ran code reviews, and supported hiring through technical interviews.

Risk Management Analyst - Credit Risk

Bangkok, Thailand

KASIKORNBANK PCL (KBANK)

Apr 2019 - May 2021

- Built Python/SQL/SAS data pipelines over large banking datasets (Impala/Hadoop) spanning the bank's full credit portfolio - corporate, retail, credit-card, and express-cash - preparing data and features for econometric and scenario-based credit-risk forecasting.
- Produced export and credit-loss forecasts from the bank's trading-turnover data that informed senior-management loan-target and expected-credit-loss (ECL) planning.
- Partnered with cross-industry business teams to set outstanding-loan and ECL targets for short- and long-term business plans aligned to bank strategy.

- Built portfolio-wide stress-testing and TFRS 9 / IFRS 9 ECL/impairment workflows for internal and regulatory (Bank of Thailand) reporting across multiple macroeconomic scenarios.
- Automated previously-manual risk reporting and credit-limit monitoring, improving turnaround and reliability.

Application Analyst

Bangkok, Thailand

EXXONMOBIL

Nov 2015 - Apr 2016

- Built an in-house company activity-monitoring application in ASP.NET with the Argentina team, implementing APIs to integrate third-party log-management tools.
- Modified existing software to fix errors, upgrade interfaces, and improve performance, and provided global after-hours production support.

Junior SAP Consultant

Bangkok, Thailand

IT ONE

Jun 2015 - Oct 2015

- Built a logical data model from SAP transactions for real-time reporting, delivered the SAP 4.7 → ECC 6.0 data conversion for Siam Cement Group, and automated data cleaning with Excel/VBA.

Education

University of Southern California

Los Angeles, CA

M.S. IN FINANCIAL ENGINEERING

Aug 2016 - May 2018

King Mongkut's University of Technology Thonburi (KMUTT)

Bangkok, Thailand

B.ENG. IN COMPUTER ENGINEERING · SECOND-CLASS HONOURS

May 2011 - May 2015