

YONG-JIN LEE

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Results-focused, reliable professional with years of valuable experience in delivering creative, multi-functional software and data solutions to streamline organizational performance per target objectives. Dedicated, hardworking individual with motivation to continue career in the tech industry by capitalizing on progressive background in data engineering and software engineering.

- A proven track record of effectively carrying out increasing obligations on data analytics, data pipelining, data productization, process implementation/automation, and dashboard/report development to ensure highly scalable and efficient workflows.
- An expertise in data programming, data analysis, data visualization, data logging, data debugging, data wrangling, data manipulation, data modeling, data migration, and data warehouse management and implementation with complex data sets per requirements.
- A proficiency in software development/scripting languages, micro service architecture, and full stack development for web services.
- A capacity to thrive in a fast-paced environment, manage heavy-volume tasks, and meet deadlines by employing excellent leadership skills, logical problem-solving skills, strong critical thinking and analytical skills, keen attention to detail, and a firm work ethic.
- An ability to collaborate with stakeholders, coordinate with cross-functional teams, and serve as a liaison to service levels through the enforcement of good communication skills for the timely achievement of shared goals per organizational vision.

CORE COMPETENCIES

Data/Databases Management | Data/Databases Engineering & Design | Data/Database Product Development | Data/Database Pipeline Management | Data/Database Migration | Extract-Transform-Load (ETL) | Relational Databases | Distributed Systems | Source Control Systems | Business Intelligence | Unit Tests & Validation | Computer Science & Programming | Software Engineering | Process Improvement & Automation | Machine Learning | Cloud Computing | Content Management & Targeting | Policy & Specifications Compliance | Reports Generation & Documentation | Dashboard Management | Quality Assurance/Control | Stakeholder & Partner Engagement | Teamwork & Team Building | Supervision & Networking | Cross-Functional Cooperation | Technical Writing Skills | Interpersonal Skills | Flexibility & Adaptability Skills | Critical Thinking & Analytical Skills | Math & Statistics Skills

TECHNICAL SPECIALTY

Data Storage/Databases Tools: Teradata (EDW/IDW), DB2, Oracle, Hadoop (HDFS), Cassandra, Microsoft SQL Server

BI Tools: Cognos Analytics, PowerBI, Tableau

Computer Languages: SQL, Spark, Java, Python, R, Matlab, JavaScript, HTML, CSS, Fortran

SQL Query Engines: Presto, Teradata, Impala, Hive, Kusto (KQL)

Supported Tools: VS Code, Eclipse, Git, GitHub, Airflow, SAS JMP, Splunk, IBM SPSS Modeler

Cloud Technologies: Azure, AWS

Others: Microsoft Office Suite/M365

Eager to Learn: C#, C++, PowerShell, Docker, Kafka, Scala, Redis, Ruby, Perl, Apache Spark, NoSQL, Postgres, Rest API, DB, Golang

PROFESSIONAL WORK EXPERIENCE

📌 Data Engineer, Spotify – Remote

Apr 2022 – Present

Oversee development of data pipelines/products with machine learning engineers on natural language processing for podcast content understanding toward appropriate modeling, ranking, and personalization activities for end-user/market conditions.

- Deprecated seven legacy systems with 54+ data pipelines to enable cost savings on legacy products and maintenance in six months.
- Participated in data migration tasks for upstream data source adjustments to adapt existing data pipelines while working closely with business partners on major projects and assuring up-to-date data implementation for overall processing,
- Inaugurated a “Let Our Work Shine” project to leverage team product impact on organizational processes while systematizing Tableau dashboard to exhibit essential workflows, data endpoints, and consumption/coverage metrics of data products.
- Productized ad-detection model from research team for actual usage across cross-functional teams to enhance data quality.

📌 Data Engineer, Meta – Remote

Dec 2021 – Apr 2022

Prioritized development of data pipelines/products with machine learning engineers and stakeholders for integrity of advertising contents while automating fine-tuning, measuring machine learning model metrics, and publishing performance to dashboards on near-real-time basis.

- Orchestrated data for machine learning models for processing of several advertising contents in Facebook and Facebook

Marketplace to guarantee legitimacy from brands while preventing counterfeit goods and harmful information.

- Navigated sampling initiatives for further reviews to substantiate serviceability of process for operational functionality.
- Submitted data pipelines/products to legal unit to support emphasizing due diligence efforts for business advertisers/sellers.

▼ **Software Engineer III**, GitHub – Remote

Nov 2020 – Nov 2021

Led the researching, designing, authoring, and development aspects, including coding, debugging, testing, and troubleshooting.

- Commanded the construction, oversight, and retainment of new Extract-Transform-Load (ETL) pipelines, data models, SQL/Kusto queries, and data visualizations to convey the highest level of data-user experience.
- Maximized the usage of PowerBI to originate company-wide interactive reports and enable providing quality core metrics to the upper management for the assessment of business capacity for product and service areas.
- Shepherded in cloud migration from AWS to Azure from changing data tooling and communicating opinionated views on transition process while sustaining data product validity/quality to acquire end-user trust in team services.

▼ **Data Engineer Specialist**, Accenture Federal Service, Arlington, VA

Nov 2019 – Oct 2020

Spearheaded the mapping out of trends in data sets while captaining the curation of algorithms to transform raw data into useful ones.

- Concluded the refinement of data pipelines within the traditional RDBMS and HDFS to aid analysts and data scientists; gained 50%-70%+ reduction in the Extract-Transform-Load (ETL) process run-time and 50%+ decrease in Tableau dashboard data extract size for better data refresh, smooth interactivity, and optimal serviceability.
- Manufactured business intelligence reports and dashboards to ensure the deliverance of timely and accurate data information to governmental stakeholders and the internal project operations team.
- Pioneered a Python script to secure DDL generation, brought functional data, and modeled Excel documents as inputs.

▼ **Business Systems Analyst II – Member Intelligence Systems & Reports**, Navy Federal Credit Union, Vienna, VA Aug 2016 – Nov 2019

Strategically governed the development and maintenance of the SQL queries, data pipelines, and ad-hoc and automated business intelligence reports for dynamic business units and senior managers while sustaining strict adherence to the regulatory protocols.

- Administered the formulation and enhancement of approximately 30+ custom-Java applications to automate workflows, including the Extract-Transform-Load (ETL) process and scheduled reports.
- Worked hand-in-hand with the fraud analytics team to facilitate the advancement of a near-real-time reporting with the fundamental aim of safeguarding assets valued over \$20M+ within the first-year implementation.
- Served as a UAT tester to multiple technical projects to partake in steering constant business effectiveness.

OTHER WORK EXPERIENCE

▼ **Marketing Analyst I/Campaign Developer**, Navy Federal Credit Union, Vienna, VA

Mar 2016 – Aug 2017

Instituted effective data management and mining techniques to bolster the top-level development of creative campaigns while establishing technical feasibility of business requirements, including predicted quantities, for the marketing schemes. Accomplished a multitude of marketing deliverables for platforms such as direct mail, e-mail, and social media to contribute to the continuity of operational productivity.

EDUCATION

Master of Computer & Information Technology (GPA: 3.79), University of Pennsylvania – Online, Philadelphia, PA | Dec 2022

Graduate Certification in Data Science (GPA: 4.0), George Mason University | May 2018

Bachelor of Arts in Mathematics (Concentration: Finance), University of Virginia, Charlottesville, VA | May 2014

CERTIFICATES, LICENSES, & TRAINING

Nanodegree in Data Engineering, Udacity – Online | Aug 2021

Microsoft Azure Fundamentals Certification, Microsoft | Aug 2021

AWS Cloud Practitioner Certification, AWS | Aug 2020

ACHIEVEMENTS & AWARDS

Sustained Superior Performance Award, Navy Federal Credit Union | Aug 2018, Aug 2019