MYUNGJAE (MATT) LEE

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EXPERIENCE

Software Engineer · **AllianceBernstein** Jun 2026 – Present

- Migrated mission-critical legacy workloads—including MATLAB algorithms, R models, C# executables, and SSIS packages—into modular, containerized Python microservices deployed on Azure Kubernetes Service (AKS)
- Collaborated on ask-fiqit, an internal LLM-powered platform assistant integrating across GitHub, Azure DevOps, Confluence, Slack, Control-M, Airflow, and Azure AI Search to accelerate quant developer workflows
- Engineered automated ingestion pipelines to index internal code repositories and operational logs into Azure AI Search, enabling semantic code retrieval across engineering teams
- Built a centralized SQL Server audit service to track user-specific roles and fine-grained database permissions, strengthening security governance and compliance
- Leading the migration of mission-critical quant datasets, ETL pipelines, and scheduled batch jobs from legacy SQL Server instances to Snowflake to improve query throughput and scalability

Software Engineer · **iPro Systems** Nov 2022 – Jun 2026

- Developed and maintained backend services and APIs for a multi-tenant web application serving thousands of daily users, utilizing Python, FastAPI, PostgreSQL, and Vue.js
- Refactored legacy ETL pipelines (MS Access, Pandas) into distributed Apache Spark jobs on AWS EMR, slashing execution times and saving thousands in monthly compute costs
- Designed and optimized high-throughput relational schemas in PostgreSQL, ensuring sub-100ms API query latencies under peak concurrency
- Built and maintained scheduled data pipelines using Spark SQL, Apache Airflow, and AWS EMR
- Configured CI/CD pipelines with automated unit, integration, and security testing using AWS CodeBuild and CodePipeline

TECHNICAL SKILLS

Languages:	Python, SQL, Java, Go, C#, JavaScript, TypeScript, Bash
AI & LLM Systems:	Azure AI Search, RAG Architecture, AI Agents & Tool Calling, LangChain, LangGraph, Automated Code & Log Ingestion
Cloud & Infrastructure:	Azure (AKS, Azure DevOps), AWS (EMR, S3, Lambda, RDS), Snowflake, Kubernetes, Docker, Terraform, CI/CD
Data & Backend:	FastAPI, Apache Spark (PySpark), Apache Airflow, PostgreSQL, SQL Server, Redis, Control-M, ServiceNow API

EDUCATION

M.S. in Computer Science · **Georgia Institute of Technology** Jan 2026 – Present

B.S. in Mechanical Engineering · **Rose-Hulman Institute of Technology** Aug 2017 – May 2021

- Minor in Mathematics