

# JT Lin

AWS Certified Solutions Architect - [Associate Certification](#)

🎓 MS. Computer Science and Engineering, [NTOU](#) 2018 - 2020

🎓 BS. Computer Science and Engineering, [NTOU](#) 2014 - 2018

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Technical & Data Science Lead, [NZXT, Inc.](#), Apr 2025 - Present

**Python, SQL, dbt, Snowflake, SQL Server, Jenkins, Tableau, AWS, Azure, n8n, Docker**

- Designed and implemented scalable data transformation pipelines using dbt Core on SQL Server and Snowflake, with automated testing, documentation, and CI/CD via Jenkins.
- Built and maintained production-grade ingestion & transformation workflows, improving reliability, observability, and data quality across business domains.
- Reduced AWS cloud spending by ~43% through infrastructure rightsizing, workload optimization, and eliminating redundant compute/storage resources — while maintaining system performance.
- Developed optimized Tableau dashboards and collaborated with analysts to define requirements and produce business-critical datasets.
- Led the company-wide Snowflake + dbt Cloud modernization, implementing modeling standards, job orchestration, and CI-based deployments.
- Architected and delivered end-to-end automated workflows in n8n, enabling cross-system data movement and reducing manual operations by 80%+.
- Provided mentorship and training for engineers and analysts in dbt, data modeling, workflow orchestration, and automation.
- Led the migration of Acumatica ERP from SaaS to AWS private cloud (RDS, EC2, ElastiCache), improving performance, maintainability, and system control.

Sr. Software Engineer, Feb 2022 - May 2025

**Python, C#, ASP.Net, .Net framework, MSSQL, ETL, Data Pipeline, AWS and Azure**

- Designed and maintained ETL pipelines for critical e-commerce/ERP data flows, improving throughput and reliability across global regions.
- Built and maintained automated CI/CD pipelines for Acumatica customizations using GitHub Actions, improving release speed and reducing deployment errors.
- Developed a Python-based AI translation & automation system, integrating prompting logic, automated document flows, and multi-service APIs.
- Improved AWS-based ERP infrastructure (EC2, S3, Route53), increasing system stability and performance.
- Implemented Extend and ShipStation API integrations, significantly improving warranty/fulfillment ETL processes and system throughput.

ERP Engineer, Jan 2021 - Jan 2022

**C#, ASP.Net, .Net framework, MSSQL**

- Developed and maintained ERP custom modules using C#, ASP.NET, MSSQL, improving operational efficiency for multiple international teams.
- Established a Git-based workflow for Acumatica custom development, improving team collaboration and version control clarity.
- Built a real-time shipping automation workflow using SendCloud and ShipStation APIs, reducing manual work and improving processing speed from 150 records/min → 130 records/sec.
- Created an internal monitoring and alerting system integrated with Slack, providing better visibility into ERP operations and error handling.

Programming Teacher/Full Stack Engineer, PT, [Sandbox Academy](#), Mar 2019- Jan 2020

**Python, Bootstrap, JavaScript, PHP, MySQL and Docker**

- Taught programming to elementary pupils using the Pixelpad platform, utilizing Python to develop web-based games.
- Developed the teacher training system, utilizing Bootstrap, JavaScript, PHP, MySQL.
- Maintained the teacher training system on Raspberry Pi 4, utilizing Docker.

Website Developer and Server Maintenance, PT, [NTOUCS](#), Jul 2017- Jan 2020

**Bootstrap, WordPress, PHP, MySQL and LAMP**

- Developed and maintained websites, servers, and databases using WordPress, PHP and MySQL.
- Designed and implemented a classrooms and equipment rental services system for school clubs (NTOUSTU).
- Developed and implemented a place coordination system for school clubs (NTOUSTU).

## Side Projects and Hobbies

[Hubot Plurk Adapter](#) - A chatbot framework, Hubot's Plurk adapter based on **Node.js**.

[Shopee Crawler Bot](#) - A chatbot which could do auto-tracking with certain keywords on Shopee based on **Python and Flask**.

[PEPEWTF KartRider Competition Website \(2022\)](#) - Based on **Bootstrap**.

## Awards and Thesis

[Direction Giver](#) ( Nominated - [The Innovative Awards 2017](#) | Excellent - [TCA OpenData Contest 2017](#) )

[Version-Based Microservice Analysis, Monitoring, and Visualization \(APSEC 2019\)](#)

[MSABot:A Chatbot Framework for Assisting in the Development and Operation of Microservice-Based Systems \(ICSE 2020 / BotSE 2020\)](#)