Gaiye "Gail" Zhou
a.k.a. Dr. Gail

SR Architect
Industry Solution Delivery

- **My Home: Atlanta, Georgia, USA.**
- **My Hobbies:** Cooking, Reading, Landscaping, and Hiking.
- **My Passion #1:** Deliver innovative business solutions that are simple, scalable, extensible, and transformational.
- **My Passion #2:** I am relentless on innovation, automation, quality, consistency, and repeatable processes.

Prior to Microsoft

- **PhD** in Electrical and Computer Engineering and Executive **MBA** (Employer sponsored).
- **2 Awarded Patents** (7,139,722 & 6,925,586), and Many Innovative Solutions delivered.
- **Industry Knowledge**: Telecom, Government, Financial Services, Health Care, Retail, Manufacturing.
- **10+** Years delivering **consulting Projects** with **repeating customers & projects.**
- **10+ Years leadership roles:** Director/VP/SVP.
- **3 years** as **Chief Architect** for US AF Supply Chain Modernization ($140M Program).
- 15+ Years of Hands-on Experiences in **software engineering** (C#/Python/PowerShell/SQL/Java/C++)
- 2 Years in a **Start-up** building new product line later **acquired by GM.** Started my own company that served 3 corporations.

Journey @ Microsoft (Since January 2017)

- **Timeline** (Joined Jan 2017)
  - July 2023 – Now: Large Program Delivery, London Stock Exchange Group (LSEG)
  - Dec 2021– Jun 2023: Early Access Engineering Customer Innovation Program
  - Dec 2020–Mar 2022: Azure Analytics and AI Accelerators (AAAP) Program
  - Jan 2017–Dec 2020: Azure Synapse Customer Success Engineering Program
- 60+ Customer Engagements, 4 GitHub Repositories, YouTube Channel, and other publications.
- Innovation Solution Accelerator Lead, **published** IP links below:
  - ❖ "Intelligent Field Services", (Intelligence Field Service Accelerators June 2023)
  - ❖ "Automate PDF forms Processing" (AAC Article APR 2023)
  - ❖ "Azure PDF Form Processing Automation SA" (PDF Form SA Oct2022)
  - ❖ "Azure Invoice Processing Automation SA" (Invoice SA Mar 2022).
- **Pioneered** APS/Netezza/Redshift/SQL Server to Synapse Migration w. Playbook & Automation.
- **Published** SQL Server to Synapse IP (SQL2Synaspe2021) with YouTube Training.
- Led Coca Cola APS->Synapse Migration and created reusable IP (APS2Synapse 2018). This IP has been reused to migrate hundreds more APS to Azure Synapse. It is upgraded (APS2Synapse2021) with YouTube Training.
- Led **Walgreens'** Netezza to Synapse Migration, delivered workshops & technical guidance till go-live: Testimonials and Case Study.
- Led **Neogrid's** Netezza and Redshift to Azure Synapse Migration: Case Study.