Ziya **Tang**

Cloud Infrastructure Engineer · AI Systems Developer · Software Architect

Nanjing Agricultural University Binjiang Campus, Nanjing, China

📞 (+86) 153-5770-8868　✉ tcztzy@gmail.com　⌸ tcztzy　in Ziya Tang

Experience

PhD Researcher & DevOps Lead
Nanjing, China

Nanjing Agricultural University
September 2022 - present

- Designed and maintained **hybrid cloud infrastructure** (9 CPU nodes + 2 GPU clusters) supporting AI research workloads
- Implemented **AWS S3-compatible storage** solutions via self-hosted MinIO with cross-region replication
- Developed infrastructure templates for rapid deployment of **generative AI systems** (DeepSeek R1 671B)
- Created unified data access layer using **Fsspec** for S3, HDFS, and on-premise storage systems
- Optimized **distributed networking** across heterogeneous environments

Senior Software Engineer
Hefei, China

iFlytek
March 2017 - March 2018

- Built scalable data platform handling **10,000+ daily transactions** using Kafka
- Implemented **automated onboarding system** reducing setup time by 40%

Cloud Support Engineer
Wuxi, China

Microsoft
March 2016 - March 2017

- Resolved **complex infrastructure issues** for Azure enterprise clients
- Developed troubleshooting **knowledge base templates** adopted globally

Projects

GenAI Research Platform
⌸ ganlab

2023 - present

- Deployed **vLLM inference clusters** with dynamic resource scaling
- Built **RAG pipeline** integrating vector DB with scientific literature
- Reduced GPU idle time by 35% via **Kubernetes scheduling policies**

Odean big data platform
website

Big data platform for iFlytek
2017 - 2018

- Full-stack development (Django & Vue.js)
- Kafka for message queue

DataHub Scietific computing platform

Scientific computing SaaS
2015 - 2016

- Created infrastructure of container for **high-performance computing** (HPC)

Skills

Cloud Platforms	**AWS (EC2/S3/IAM)**, **Azure Blob Storage**, Kubernetes, Docker Swarm
AI Systems	**LLM Deployment**, **RAG Architectures**, **Multi-agent system**
Programming	**Python**, **Rust**, **C++**, **Go**, CUDA, TypeScript, Erlang
Communication	**Technical Documentation**, **Cross-cultural Collaboration**, Research Partnership

Education

Northwest A&F University
Yangling, China

B.S. in Agriculture
August 2010 - May 2014

Tarim University
Alaer, China

M.S. in Engineering
September 2019 - June 2022

Nanjing Agricultural University
Nanjing, China

PhD student in Engineering
September 2022 - graduate at est. 2026