

QIANYU QI

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professional summary

AI Solution Architect with 5 years of experience designing AI-driven solutions across industries, leveraging generative AI for Agent systems, RAG, MaaS, and traditional Machine Learning algorithms. Specialized in AI infrastructure design (NPU-based clusters, model migration), and familiar with containers, object storage, and platforms including Azure (certified), AWS, and Huawei Cloud.

Strong foundation in NLP, data pipelines, and cybersecurity. Hands-on expertise with PyTorch, LangChain, FAISS, SQL, and tools like Dify. Known for regional strategy insight, effectively align AI capabilities with business goals.

work history

AI&Cloud Solution Architect

Feb 2024 - Current

Huawei Cloud Middle East

Dubai

Experienced in driving AI transformation across the Middle East and Central Asia, with specialization in AI infrastructure (NPU clusters, model migration) and AI application PoCs, solution proposals, quotations across government, telecom, financial, and enterprise sectors.

- AI Infrastructure:** Designed LLM/CV migration to NPU clusters and designed sovereign/hybrid AI cloud platforms.
- AI Applications:** Designed and delivered customized solutions for AI agents, RAG systems, digital humans, and real-time MaaS, with hands-on PoCs and technical, proposals, workshops.
- Technical Enablement:** Led workshops and built regional AI ecosystems through local partner engagement and capability building.
- Market Insight & Business Support:** Provided market intelligence (SWOT, policy, competitor analysis) to support sales strategy.

Key Projects

- Abu Dhabi Police:** Delivered an internal RAG knowledge system and virtual assistant to streamline operational queries and knowledge access.
- Saudi Water Authority:** Built ChatBI platform with AI agents to improve operational reporting and staff self-service analytics.
- Kazakhstan Railway:** Implemented a CV-based rail and wheel inspection system and smart scheduling system.
- Uzbekistan Healthcare:** Developed a scalable diagnostic AI platform to assist with image-based diagnosis and health data analysis.
- TII (UAE):** Migration PoC for LLM training workloads to NPU-based clusters, improving training speed and energy efficiency.
- SDAIA (KSA):** Leading PoC for local AI workload migration, showcasing feasibility and cost-efficiency of sovereign AI compute.
- e& (UAE):** Designed and implemented a scalable AI cloud platform to support multi-tenant enterprise workloads.
- Oman:** Architected a sovereign AI cloud infrastructure aligned with national data residency policies.
- GAC (China):** DevelopedArchitected an Cloud cockpit platform for electronic vehicles workload.

Consultant of ICT and SmartCity

Jun 2021 - Mar 2023

H3C Group Co., Ltd

Xi'an, China

- Offer expert ICT and cybersecurity solutions to support customers in designing and maintaining secure and resilient data centers and cloud infrastructures.
- Effectively managed Government, Financial, Education, HealthCare and Enterprise ICT system changes, ensuring smooth transition for informatization and intelligent .
- Performed detailed audits of Data Transmission and Cybersecurity systems and processes to identify areas of improvement and create implementation plans.
- Design smart city, smart agriculture, smart industrial park, and smart office solutions for KA (Key Account) customers.

Cybersecurity Consultant

Sep 2020 - Jun 2021

Sangfor Technology Ins

Xinjiang, China

- Applied threat intelligence in determining attack scope, type and affected systems.
- As a liaison officer for CNCERT (National Internet Emergency Response Centre) support unit, notifying the company of the latest virus threats discovered to Xinjiang Strategic Information Support Force, CNCERT etc. Prepared procedures, wrote plans, and coordinated personnel for large-scale cyber-attack and defence exercises such as "Network Protection Action" and "Heavy Guard" according to the requirements of key industries.
- Worked with application teams in applying secure practices to software implementation.
- Researched ICT infrastructure to determine and evaluate cyber security capabilities.
- Recommended preventive security measures to decrease attack surfaces.

education

Master of Science: Data Science

2023

Cardiff University (Prifysgol Caerdydd) - A Russell Group

Cardiff, UK

Bachelor of Science: Computer Science

2016 – 2020

Xidian University - A 211 Project

Xi'an, China