Zayn Zheng Zhi

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Professional Summary

10 years of work experience in data, AI, and software engineering, with 5 years in managerial roles. Proven ability to lead teams of up to 15 across multiple countries. Skilled at understanding complex data sets, extracting insights, and providing actionable recommendations. Strong communicator with cross-functional and international experience.

Education

HKUST Business School   Hong Kong
MBA, Global Leadership Program   *Jun 2026* **University of Chicago**   USA
Professional Education Program: AI & Data Science for Leaders   *May 2024* **Huazhong**

Univ. of Science and Technology   China
B.Eng. in Automation (System Eng. Track)   *Jun 2014*

- Co-founder of C-Indigo team to develop Android games

Managerial & Technical Skills

- People and agile project management, critical and analytical thinking

- Machine learning engineering architecture, data strategy and governance

- Regulations: GDPR, PDPA Singapore, AI Act

- Applications: Spring Boot, PCF, Jenkins, JMeter, OpenAPI, Postgres, MQ, HashiCorp Vault

- Big Data: Spark, Spark ML, Pandas, Impala, Yarn, Hadoop, Nifi, Splunk, Pytest

- Deep Learning: TensorFlow, Keras

- Cloud: Cloudera, Databricks MLFlow, AWS S3, Terraform

Experience

Mastercard   Singapore
Engineering Manager, Machine Learning Eng.   *Sep 2023 – Present*

- Managed 5 direct reports and global dotted-line team members, building ML and monitoring pipelines.

- Spearheaded AI governance and Responsible AI services ensuring GDPR, PDPA, and AI Act compliance.

- Led design, training, and deployment of ML solutions across product lines, including bias testing and monitoring.

- Explored and integrated GenAI and RAG frameworks for explainability.

- Migrated prediction workflows to AWS and Databricks; directed 500+ cardholder models.

Apple   Singapore
Data Solutions Lead   *Jul 2023 – Sep 2023*

- Implemented data integration and warehousing solutions for Global BI team.

- Migrated SAP reports to Snowflake and Tableau across India, Singapore, and China teams.

OKX   Singapore
Data Architect   *Dec 2022 – May 2023*

- Supported C-suite with data architecture and digitization strategy.

- Enhanced data lineage, quality standards, and SLA stability for commission rebate pipelines.

- Built hybrid streaming-batch pipelines and real-time user segmentation for personalization.

Shopee   Singapore
Data Team Lead   *May 2019 – Sep 2022*

- Led advertisement data teams (up to 14 members) across Singapore and Beijing.

- Built real-time ML data engines and near-real-time market DW with Apache Hudi.

- Developed ads data warehouse, CRM dashboards, and e-commerce data mart.

- Ensured GDPR-compliant data governance across infra and compliance teams.

Alibaba   Hangzhou, China
Engineer II   *Apr 2017 – Feb 2018*

- Built seller onboarding, transfer, and qualification systems.

- Unified DW across Alibaba, Alipay, and government qualification systems.

Mogujie   Hangzhou, China
Senior Development Engineer   *May 2015 – Mar 2017*

- Developed trading real-time data engines and MQ-based order systems.

- Ensured data consistency in distributed trading systems.

Zhenai.com   Shenzhen, China
Assistant Java Engineer   *Jun 2014 – Apr 2015*

- Maintained backend projects using Spring MVC, Hibernate, MySQL, JSP.

Additional Information

- Nationalities: Chinese, Singapore PR

- Languages: English, Mandarin Chinese

- Community: Mentor, Mentoring SG Program; Industry Mentor, NTU

- Certifications: PDPA Practitioner (Singapore), Databricks Fundamentals, Databricks Lakehouse Fundamentals, Data Engineering with Databricks, Applied AI with Deep Learning