CV

Zhimou Li

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🎯 Professional Summary

Cloud Engineer with 5+ years of experience in building and maintaining scalable cloud services and developing data-driven solutions. Proven ability to manage distributed systems on Azure, develop robust Python backend services, and support ML applications by engineering the necessary data workflows. Skilled in automation, CI/CD, and ensuring the reliability of data-intensive systems.

💼 Professional Experience

Cloud Solutions Engineer | Microsoft

(2020 - 2025.8)

- **Data Workflow for AI Systems:** Developed a data ingestion and processing workflow for a production RAG (Retrieval-Augmented Generation) system. This involved extracting internal knowledge base documents from kusto databases, Azure blob storage and Azure data factory, preparing the PaaS platform's logs and metric data with multiple Python Azure Function app pipelines, and loading it into Azure AI Search/milvus to be used by the LLM. Experience includes prompt engineering and GPT functions to query azure data explorer databases(KQL, a SQL dialect).
- **Cloud Platform & Service Reliability:**
  - Ensured the performance and reliability of data-intensive Azure PaaS applications for customers. Resolved 900+ technical incidents related to Azure Functions(serverless), App Service(containerized web app host platform), and containerized apps(stateless, k8s), gaining deep expertise in troubleshooting data driven distributed systems and data flows.
  - Created 30+ PaaS solutions for our customer using Azure resource management script. Ensured the robustness/high availability of the web application environments. Helped our customer to migrate between cloud environments and scale out/up.
- **Automation & Backend Development:** Built 30+ automation scripts using Python and Bash for internal workflows and service management. Developed a full-stack internal calendar application with a Python Restful API backend with FastAPI. Implemented auto-scaling solutions for containerized services with terraform.
- **DevOps & CI/CD:** Implemented and troubleshot CI/CD pipelines for deploying applications and services, ensuring consistent and reliable updates.

Devops engineer Bytedance

(2025.8 - present)

- Ensure the availability of our devops system. Debugging CI/CD pipelines and help to write the yaml job definitions.

🎓 Education

MSc Advanced Computer Science

Newcastle University | *Graduated: 2019*

- **Dissertation**: Semi-supervised Bayesian CNN GANs for Image Generation
- **Relevant Coursework**: Distributed Systems, Machine Learning, Cloud Architecture

BSc Internet of Things

Hainan University | *Graduated: 2016*

🔧 Technical Expertise

Category	Skills
Languages	Python, SQL, JavaScript, Bash
Cloud & DevOps	Azure (PaaS Services), Kubernetes, CI/CD, Docker, Microservices
Data & Big Data	Spark, Hadoop, SQL
ML/AI	NLP Applications, Generative Models (GANs), RAG Architecture