John Jiang

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SUMMARY

- **10+ years** in full-stack development with **Azure (AKS, Functions)** and **AWS (EKS, Lambda)** expertise, building secure, scalable cloud architectures for Fortune 500 firms.
- Led **Kubernetes-driven DevOps pipelines** across Azure/AWS for IoT, finance, and cybersecurity solutions.
- Proficient in **Go/Python** backend systems, **multi-cloud integration**, and optimizing **cost-performance ratios** for enterprise workloads.
- Master's candidate in Cybersecurity with a focus on **cloud-native security** and cryptographic compliance.

WORK EXPERIENCE

D3 Cyber Security Management System

Vancouver, Canada
Senior Python Developer | Cloud & Scalability Team
2024/07–2024/09

- Migrated on-prem security systems to **Azure AKS**, leveraging **Azure Functions** for serverless workflows and **Azure Monitor** for threat detection, reducing operational costs by 18%.
- Architected a Python-based microservice on AKS to handle 10K+ RPS, improving scalability through auto-scaling policies.

Energy Department of Tesla

Shanghai, China
Senior Golang Developer | ML DevOps (AWS)
2023/09–2024/04

- Deployed EV charging ML models on **AWS EKS** using **S3** for data lakes and **Volcano scheduler** for GPU resource allocation, cutting latency by 30%.
- Built **AWS IoT Core**-integrated messaging protocols (AVRO/JSON) for 10,000+ devices.

Kyligence & Gaussian Robotics

Shanghai, China
Go/Python Developer | Multi-Cloud Solutions
2021/09–2023/09

- Designed a **multi-cloud R&D platform (AWS/Azure)** using **Go**, **Azure DevOps Pipelines**, and **AWS DynamoDB**, reducing infrastructure costs by 20%.
- Streamlined edge-cloud communication via **Azure IoT Hub** and **AWS Iot Core**, improving sync efficiency by 35%.

PwC Global Software Accelerate Center

Shanghai, China
Node.js Full-Stack Developer | Data Analytics Team Lead
2017/03–2021/09

- Led a team to build **AWS ECS**-hosted microservices for a fraud detection system, processing 1M+ transactions/day.
- Integrated **AWS Lambda** for real-time alerts and **S3** for audit logging, enhancing compliance for banking clients.

Citibank Global Tech Center

Shanghai, China
Python Automation Team Lead
2012/04–2017/03

- Automated ETL pipelines using Python, reducing data processing time by 25% for financial volatility analytics.
- Collaborated with cloud teams to migrate batch jobs to **Azure VMs**, improving scalability for high-volume workloads.

Liferay Tech Center

Dalian, China
Java Automation Engineer | OA Portal Development
2009/10–2012/04

- Automated deployment of Java-based office portals using **Jenkins** and **Docker**, later migrating workflows to **AWS EC2**.
- Reduced manual intervention by 40% through CI/CD pipeline optimizations.

SKILLS

- **Cloud Platforms**: Azure (AKS, Functions, IoT Hub), AWS (EKS, Lambda, S3, IoT Core), Ali Cloud.
- **DevOps**: Kubernetes (AKS/EKS), Helm, Terraform, CI/CD (Azure DevOps, AWS CodePipeline).
- **Backend**: Go, Python, Node.js, REST/gRPC APIs, PostgreSQL, Kafka.
- **Security**: Azure Security Center, AWS IAM, Kubernetes RBAC, encryption protocols.

EDUCATION

New York Institute of Technology | Vancouver, BC
Master of Science in Cybersecurity | 2024–2025

- Focus: **Cloud Security Architecture**, Kubernetes Network Policies, Cryptography.

Northeastern University of Finance and Economics | Dalian, China
Bachelor of Economics (Minor: IT) | 2004–2008

- Coursework: Database Systems, Cloud Computing Fundamentals.

PROJECTS

IoT Device Management (Azure)

- Built an **Azure AKS** cluster with **IoT Hub** for 5,000+ devices, reducing data latency by 40%.

Credit Card Transaction Fraud Detection Analytics (AWS)

- Deployed Go microservices on **AWS EKS** with **Lambda**-triggered alerts for suspicious transactions.