

# JANET SHI

© [shi359@gmail.com](mailto:shi359@gmail.com)

in [linkedin.com/in/janet-shi-491089a8](https://www.linkedin.com/in/janet-shi-491089a8)

## WORK EXPERIENCE

---

- **Software Engineer at Axon UK** [July 2024 - Present]
  - Designed and implemented a scalable, rule-based real-time platform broadcasting alerts to over **5k** agencies with **Azure Web PubSub**.
  - Led cross-functional collaboration to embed secure identity resolution into core workflows.
  - Built a resilient data enrichment pipeline integrating high-latency, low-throughput external APIs.
- **Backend Software Engineer at Deliveroo UK** [July 2022 - June 2024]
  - Developed a real-time order duration prediction service integrating machine learning models with **Golang**.
  - Implemented real-time model update caching using **Redis** and centralized ML model parameters in **AWS S3**.
  - Identified and optimized performance bottlenecks in critical services, reducing latency by **25%**.
  - Facilitated **A/B testing** for machine learning model experimentation by integrating feature randomization library.
  - Replaced legacy workflows with **Kafka**-based **event-driven** architecture, eliminating data inconsistencies and improving system scalability.
- **Backend Software Engineer at Shopee Singapore** [September 2019 - June 2022]
  - Worked on **micro-service architecture** with hundreds of services that serve millions of users.
  - Developed Backend for Frontend (BFF) patterns to enhance service performance and user experience.
  - Developed promotion backend services in **Golang** on a highly caching system handling **50k** QPS.
  - Captured real-time user data changes using **Kafka**, enhancing data synchronization and system scalability in the micro-service architecture.
  - Performed **zero-downtime** database migration of over **50 million** records through a combination of double-writing, double-reading, and data comparison strategies.
  - Collaborated with the ML team to provide real-time, personalized recommendation on promoted items.

## SKILLS

---

- **Technologies:** Golang, Python, Ruby, Terraform, Git, Linux, Redis, Grafana, Prometheus, Rest API, gRPC, Kafka, Thrift, Jenkins, Docker, Datadog, Azure, AWS, MySQL, PostgreSQL, NoSQL, Data pipelines

## Research

---

- **Botnet Detection with Deep Learning:** Analyzed network packets and identified botnet traffic using Deep Learning Model, LSTM (Long Short-Term Memory)

## Education

---

- **Master of Science in Computer Science**, National Tsing Hua University
- **Bachelor of Science in Computer Science**, National Tsing Hua University