

# HAN YU

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## EXPERIENCE

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### Tech Lead at Tiktok (Seattle, WA) - 2022-11-16 to 2024-12-01

- Architected and built a new e-commerce logistics monitoring system, improving operational excellence by enabling enhanced tracking of Estimated Delivery Time (EDT), cancellations, Order SLA exemptions, and Delivery Not Received (DNR) cases.
- Led the backend development and integration of predictive AI models into the logistics monitoring system, increasing the platform's reliability and scalability by forecasting delivery risks and optimizing fulfillment operations.
- Partnered with junior engineers through mentorship and created comprehensive documentation, fostering knowledge sharing and contributing to a metrics-first culture within the team.

### Senior Software Engineer at Twilio - 2022-05-03 to 2022-11-15

- Lead to developing a Customers Data Protection by using Golang and Kafka. The service is achieving establishing a centralized data protection management system.
- Design the De-identification Policy management framework for aggregating different European countries' security policies.

### Senior Software Engineer at eBay - 2021-03-03 to 2022-04-05

- Served in Risk Management department and developing tools to deploy mathematics models created by data scientist into software system to determine risk level of customer accounts.
- Built queue distribution module to transit tasks between backend and database.
- Processed data with Spark and MapReduce.

### Software Engineer at T-Mobile - 2020-08-03 to 2021-03-10

- Collaborated with 3 engineers developing API for 54.3 million client accounts database migration from Spring to T-Mobile based on Spring Boot technique.
- Implemented 1 API per 1 day averagely.
- Assisted department director coaching and interviewing junior engineers.

### Software Engineer at General Motor - 2015-01-03 to 2020-08-19

- Led project to develop Java automation program which allowed testing on High Performance Computing Cloud to self-test and self-monitor.
- Converted Struts framework to Spring framework on project EFEC2 in Java, for both backend and frontend which used for verifying all different kind vehicle parts.
- Designed and built the Rest API with Spring boot and Cassandra to get data from HPC, which used for engineers to search, view and submit their jobs on HPC.

## EDUCATION

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**Bachelor of Science in Electrical Engineering from Texas Tech University (2014)**