HAN YU

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EXPERIENCE

Tech Lead at Tiktkok • Seattle, WA • Nov 2022 - Nov 2024

- 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 Twillio • Remote • May 2022 - Nov 2022

- Lead to developing a Customers Data Protection by using Golong 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 • Austin, Texas • Mar 2021 - Apr 2022

- 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 • Austin , Texas • Aug 2020 - Mar 2021

- 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 • Austin , Texas • Jan 2015 - Aug 2020

- 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 EFFECS 2 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

Bachelor of Science in Electrical Engineering
Texas Tech University • 2014