Lin Xu

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Experience

Software Engineer   2025.05 - Present
Shanghai GaoTe E-Commerce Co., Ltd. (GOAT GROUP)   Shanghai, China

- **Collaborated with US-based engineering teams** to build inference tracking and catalog orchestration systems, coordinating 5+ microservices through event-driven architecture for automated product data processing
- Partnered with cross-functional international teams to develop distributed scraping infrastructure for 5+ retail partners with Redis rate limiting and custom inference algorithms, processing 10K+ products daily

Go Software Development Engineer   2023.04 - 2025.05
Shanghai Dewu Information Group Co., Ltd.   Shanghai, China

- **Creative comprehensive management platform**: provide management of **AIGC creativity**, **manual creativity** access, creativity review, and scheduling processes.
  - Responsible for self-developed set of audit process related logic. At the same time, with the expansion of the business, I successfully completed the development of its function as a centre for auditing creative content. This expansion significantly improved the auditing efficiency and accuracy, and ensured the high quality of creative content.
  - Reduced 80% of slow SQL queries by using index optimization, table structure adjustment, and pre-ES queries.
  - Used streaming uploads to solve potential OOM issues with data uploads; combined ES and Flink to address high-concurrency large data volume synchronization challenges.
  - Cooperated with upstream and downstream upgrades, responsible for and completed the smooth migration of the project as well as the update of ten million historical data to ensure business continuity and stability.
  - Participated in project upgrading, proactively promoted the resolution of a large number of historical legacy issues.
  - Independently developed new modules, interfaced with multiple departments, realizing business automation and full-cycle data circulation.
- **Advertising Delivery Management Platform**: provides a platform for advertising delivery processes and subsequent data aggregation functions including data reports, algorithm control, and account management.
  - Used StarRocks database to support data storage and query for report data; used Kafka to address data synchronization issues for various large wide tables such as reports.
  - Interfacing with domestic and international media (TikTok/WeChat/Facebook/Google/Bing...) Implement the whole process functions from authorization to attribution and callback, and report data pulling, etc., to improve the efficiency of advertisement placement.

Go Backend Development Intern   2022.06 - 2022.09
Shanghai Qiniu Information Technology Co., Ltd.   Shanghai, China

- The HLS synchronous transcoding business adopted the strategy of appending m3u8 files and asynchronously processing transcoding tasks, reducing the time to obtain the first frame by 98%

Skills

- Basic knowledge: computer networks, operating systems, commonly used data structures and algorithms
- Programming Languages: Familiar with **Go** (2 years+ of development experience), Java, Python, Ruby, HTML5, CSS3
- Frameworks and third-party libraries: Gin, Gorm, GRPC, AWS SDK, MQ, Kafka
- Databases: **DynamoDB**, **MySQL**, **StarRocks**, Redis, ElasticSearch, Docker
- Others: **AI-Assisted Development**(Cursor/Claude Code)

Education

Master of Computer Science   2020.09 - 2023.03
Shanghai Jiaotong University (SJTU)   Shanghai, China

Bachelor of Science in Network Engineering   2015.09 - 2019.06
Shandong University of Science and Technology (SDUST)   ShanDong, China

Others

- **Published papers:** L. Xu and H. Zhong, "Detecting Inconsistent Thrown Exceptions," ICPC, 2021, pp. 391-395 **(CCF-B)**
- **Scholarship:** Huawei Scholarship 2021 (SJTU)
- **Activities:** Volunteer for COVID-19