

Xingyun Xue

nkscat@gmail.com | Xingyun.Xue@utdallas.edu | 469-536-5241 | [linkedin](#) | Dallas, TX | Open to relocation

Availability & Graduation date: May 2024 | 2 years of software development experience.

WORK EXPERIENCE

Amazon

2023/05 – 2023/08

Software Dev Engineer Intern

Seattle, WA

- Purposed a decoupling and completed the re-architecture of a critical system to eliminate performance bottlenecks by identifying and decoupling key components, utilizing AWS Lambda, SQS, and Kinesis.
- Achieved a significant stabilization in transactions per second (TPS) and reduced backlog in Kinesis data streams, reducing backlogs max age from 27~30 days to 2~3 days. Equipped with full unit tests.
- Refactored Service and removed unnecessary generic type. Encapsulated some service using dependency injection
- Result in strategic enhancement, providing customers with more timely data and result in 14% cost savings.

ByteDance

2020/04 – 2021/05

Engineering R&D

Beijing, CHN

- Legacy Project Codebase Refactoring
 - Implemented substantial code refactoring, resulting in enhanced performance and maintainability.
 - Designed and implemented robust API/services/database logic to support the integration of new features.
 - Optimized re-encapsulating main logic facilitating incoming features, implemented buried point, performance/error tracking with detailed doc.
- Develop Office Automation (OA) system for all devices (open to all users as a built-in application of [Lark](#)).
 - Engineered a cross-device OA system in record time, providing a seamless user experience across all platforms.
 - introduced API aggregation based on P95 performance analysis, reducing loading times for a better user experience.
 - Extracted and share common code across different platforms and established performance/error tracking mechanisms.

Jisuanke

2021/06 – 2021/10

Software Engineer

Beijing, CHN

- Frontend Codebase
 - Spearheaded the refactoring of the company codebase, significantly improving execution efficiency.
 - Conducted in-depth code revisions resulting in a 40% decrease in exceptions, as validated by SonarQube and Sentry.
 - Adapted TypeScript/Vite and others to enhance code quality and developing speed, minimizing packaged size.
- PHP Codebase / Storage Service
 - Completely rebuilt Storage related Service, resulting in 20 million files reduced (~ 90%) and running in 10% cost.
 - Decouple certain service using microservices, for maintainablity and scalability.
 - Eliminated 10k lines of clutter and redundant code.

EDUCATION

University of Texas at Dallas

2022/09 – 2024/05 (Expected)

MS in Computer Science

Dallas, TX

- 2023 IEEE/CVF Conference on CVPR: Accelerable Lottery Tickets with the Mixed-Precision Quantization

Nankai University

2016/09 – 2020/04

BS in Software Engineering

Tianjin, CHN

Achievement Scholarship & Exchange Scholarship

TECHNICAL SKILLS

Familiar with most popular languages/frameworks, pick up new things overnight at no pain.

Amazing skills on: Bash/Shell/Linux, Git, Python, JavaScript/TypeScript(ES6+), start/learn a thing from 0~1

Web & Cloud Developm: React/Vue, FastAPI/Django, MongoDB, Amazon Web Service (EC2, S3, SQS, Lambda...

Other: Enjoy exploring efficient tools. Always use scripts/curl/selenium for task automation / reuse.

With outstanding problem solving ability, proactive refactor sense, ebracing new techniques and Amazing usage of IDE for efficient coding and code analysis.