Li Yang(Jesse)

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Job Objective

I'm actively seeking a remote or on-site **Full-Stack** or **Backend** Developer role.

I'm **immediately available** to start and can guarantee at least **4-5 hours** of time zone overlap for remote positions.

Check my website at gowithfloww.com ⧉ for more details.

About

Hi, I'm Li (Jesse), a software engineer with **4+ years** specializing in **backend development** at major international tech companies in China. I also have **strong frontend skills** and am actively growing towards **full-stack proficiency**.

As an enthusiastic learner, I embrace new technologies and use AI tools(ChatGPT, Cursor, etc) to enhance my learning and development process.

Education

[Northeastern University (China)](Northeastern University) ⧉   *China*

Bachelor Degree   *Sept 2014 – June 2018*

- Solid foundation in Computer Science fundamentals (Operating Systems, Algorithms, Data Structures, Computer Networks, Databases, etc.).
- Effective English communication skills (reading, writing, listening, speaking) in technical and professional settings.

Skills

Frontend Development

- Proficient in core web technologies: **HTML, CSS**, and **JavaScript**, with a strong understanding of fundamental concepts.
- Experienced with **React and Next.js**, understanding their **core principles, architecture**, and **common ecosystem tools**.
- **Tech Stack**: *React, Next.js, TypeScript, Tailwind CSS, ShadCN UI, React Query, Zustand, TanStack Router*.

Backend Development

- Strong **analytical skills** to understand complex requirements and design **effective, well-structured, scalable**, and **maintainable** backend solutions.
- Proficient in backend **system design and architecture**, applying key design principles, and making strategic technology stack selections.
- **Tech Stack**: *TypeScript, GoLang, Python, Thrift, Hono, MySQL, MongoDB, Redis, HIVE, Kafka, etc*.

Others

- Proficient in leveraging **observability principles and alerting** to ensure high service availability.

- Familiar with general **cloud service patterns**, modern **architectural patterns**, and their **infrastructure implications**.
- A collaborative team player committed to **high-quality code, consistent conventions** and **clear communication**.
- **Tech Stack**: *Git, Docker, Prometheus, Cloudflare, GitLab, etc*.

Experience

ByteDance Technology [↗]   *Beijing, China*
Backend Development Engineer   *July 2021 – Oct 2024*

- Developed and maintained backend services for a Quality Mid-Platform, focusing on cross-cutting solutions to enhance product development and infrastructure quality.
- Specialized in building systems for risk mitigation and service safety, including platforms for online change control, data reconciliation, auditing, and database metadata management.

ByteDance Technology [↗]   *Beijing, China*
Test Development Engineer   *July 2020 – July 2021*

- Developed and maintained backend components for test frameworks and toolsets, enhancing testing capabilities.
- Designed, configured, and maintained a stable, integrated offline test environment for nearly 10 microservices and dependencies.

Didi Technology [↗]   *Beijing, China*
Test Development Engineer   *July 2018 – Sept 2019*

- Conducted daily testing of payment system features, focusing on backend interface testing to ensure quality and timely delivery.
- Maintained a stable, integrated offline test environment for the payment system. Built and updated Docker images for the test environment, ensuring synchronization with online functionality.

Projects

Database Metadata Management & Lifecycle Tracking Platform with Risk Analysis   *May 2023 – Oct 2024*

- Architected and developed a platform for real-time database metadata lifecycle tracking (via MySQL binlog consumption) and automated risk analysis of table fields.
- Engineered an offline data pipeline and statistical analysis engine to identify business-critical fields (e.g., financial data, PII) and assess risk, with alerts delivered via IM bot and insights via a BI dashboard.
- Led all backend aspects (design, implementation, operations, monitoring, iteration), delivering a solution adopted by the entire financial business line, serving hundreds of users, and improving data governance.
- **Tech Stack**: *GoLang, Thrift, Redis, Kafka, MySQL, MongoDB, Flink, GORM, ETL, CDC*.

Quasi-Real-Time Data Reconciliation & Auditing System   *Sept 2022 – May 2023*

- Developed a quasi-real-time data reconciliation system enabling users to audit diverse data sources (financial, order status) via SQL-based tasks, with zero impact on production DBs using Flink and binlog ETL to an HSAP store.
- Engineered the core data synchronization pipeline, ensuring efficient data flow and contributing to the backend logic for dynamic, scheduled reconciliation tasks.

- The system was adopted by financial and e-commerce units, managing thousands of tasks and significantly improving data accuracy and audit efficiency.
- **Tech Stack**: *GoLang, Redis, MySQL, Flink, GORM, HSAP, ETL*.

Online Change Control and After-Publish Check Platform   *July 2021 – Sept 2022*
- Developed and implemented an online platform for controlling changes and conducting post-publish checks across diverse internal platforms (compute, dynamic config, gateway & router), reducing online accidents.
- Integrated change control and automated checks into existing platform publishing workflows, offering both platform-specific and unified testing capabilities.
- Served as a key developer for dynamic config and gateway & router platform integrations, handling design, development, maintenance, and on-call responsibilities.
- **Tech Stack**: *GoLang, Redis, MySQL, Flink, GORM, FaaS, Message Queue*.

Test Framework and Test Toolset Backend Development   *July 2020 – July 2021*
- Developed a test framework enabling QA engineers to define and execute test cases using a JSON format, integrating with CI/CD pipelines for automation.
- Built a backend test toolset providing interfaces for online data retrieval and data manipulation, integrated with an IM bot for flexible access.
- **Tech Stack**: *Python, Flask, Thrift, Pytest, Design Patterns*.

Stable Integrated Offline Test Environment Maintenance   *July 2020 – July 2021*
- Maintained a stable, integrated offline test environment encompassing nearly 10 microservices, various data storage solutions, middleware, and API gateways.
- Ensured synchronization between offline test environment and online production services, providing a reliable testing platform.