



## Bi Sheng

### Summary

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Possess 6 years of full-stack R&D experience in leading internet companies and prominent exchanges in the domestic market. Capable of independently planning, dissecting, designing, building, and deploying projects. Have significant project experience in the fields of performance optimization, middle office systems, ERP systems, blockchain, and education. Possess clear logical thinking, strong business understanding, and adept at organizing and solving complex problems. Have extensive experience in cross-functional and cross-team collaboration.

### Skills

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Tech Stack: React.js, Node.js, Golang, Mysql, MongoDB, Redis, Kafka

Language: English (CET-6 Score: 536, CET-4 Score: 590)

### Experience

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Bilibili - Backend Development Engineer, Efficiency Middle Platform August 2021 - August 2022

1. Responsible for the development of business functionalities on the Live Efficiency Platform.
  - o Designed and developed a code analysis service, including integrating with Git service APIs, designing and developing code cleaning logic, code crawling scripts, and providing basic data to the Efficiency Platform as a separate code analysis service.
  - o Optimized interface response speed, including integrating with message queues, optimizing existing code logic, optimizing data indexing, designing table relationships, adding offline data, and migrating some interfaces to independent services.
2. Responsible for setting up the Live Department's Process Center.
  - o Designed and developed key logic for the management and business backends, allowing customizable configuration of processes and approval workflows, and enabling intervention in the approval chain.
  - o Provided complete customization of processes based on specific business requirements.

Bybit - Backend Development Engineer, Security Department

May 2020 - May 2021

1. Responsible for security-related work on the blockchain, including:
  - o Conducted research and evaluation of blockchain-related technologies (Layer2 solutions, DEFI, etc.).
  - o Participated in the design and development of the Warm Wallet solution.
2. Integrated hardware wallet APIs and developed risk control-related APIs for ETH and XRP withdrawal contracts.
  - o Tracked and located security incidents on the blockchain.



## Shitian Technology - Full Stack Development Engineer, Technical Department

January 2019 - May 2020

1. Responsible for iterative development of existing business modules, including interface development for the company's business platform, database optimization, and CI-based development and deployment. Conducted research and development of a distributed video content distribution solution based on ETH and IPFS.
2. Specific job responsibilities included:
  - Developed and tested interfaces for mobile applications.
  - Developed and adjusted frontend interfaces for mobile applications using React.js and Quasar.
  - Optimized database indexes and refactored storage for time-series data based on specific business scenarios.
  - Refactored logging, optimized log levels using Log4js, and exported user backend logs to the ELK platform using Logstash. Analyzed and alerted on exceptional API calls.
  - Optimized the deployment process of the existing Node.js project using Jenkins and Docker images to achieve CI.
  - Conducted research on the Ethereum blockchain (ETH) and the distributed file system IPFS. Developed a distributed video distribution solution based on both technologies.
    - Set up a private Ethereum network based on Proof of Authority (POA).
    - Implemented a main node responsible for accounting and acceleration nodes responsible for data and video resource synchronization using Golang. Achieved one-click deployment using docker-compose.
    - Developed smart contracts to record user and video information, enabling distributed database functionality.
    - Utilized AWS Route53 as a distributed gateway for automatic load balancing of service main nodes.
    - Explored solutions for users to initiate transactions without consuming gas.

## Career Frog - Full Stack Development Engineer, Technical Department

January 2017 - January 2019

1. Mainly focused on full-stack development with a Node.js stack. Backend development primarily utilized the Express framework, while the frontend initially used Angular.js and gradually transitioned to React.js. Developed expertise in database optimization and microservices architecture design.
2. Key responsibilities during employment included:
  - Designing and developing business logic interfaces.
  - Optimizing algorithms for the backend scheduling system and improving database query indexes.



- Conducting data cleansing to unify inconsistent school names in the database. Optimized the school matching algorithm based on statistical principles and developed an intelligent school input control.
- Leading the integration of the company's WeChat official account platform with the backend data. Designed the backend microservices architecture, including authorization login, template messages, and custom activities. Adapted to WeChat payment and designed a payment transaction system.
- Developed a backend feature to generate sharing cards based on operational requirements for the WeChat official account. Utilized PhantomJS and the Canvas component to render pages as images in the backend and push them to the WeChat official account.
- Collaborated with a small team to migrate the frontend framework of a new project to React.js and implemented Redux for managing data flow. Optimized SEO results through server-side rendering (SSR) and optimized heavy query interfaces on the CRM platform by building a hot cache using Redis.

## Education

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Shanghai Lixin University of Accounting and Finance

September 2012 - June 2016

Information Management and Information Systems, Bachelor's degree