Personal Information

- Name: Chen Xincong
- Contact Phone: 18116302795
- Work Experience: 12 years (2013 - 2025) of full - stack development experience
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Job Seeking Intentions

- Target Position: Full - Stack Engineer (Web/AI Direction)
- Core Technology Stack:
  - **Main Frameworks**: Node.js/React/Angular (Proficient in state management and component - based design)
  - Extended Stack: Golang/Vue
  - **Cutting - edge Technologies**: AI integration (RAG/Intelligent Search)/Low - code platforms/Microservice architecture (Nx Monorepo/MFE)

Key Strengths

1. **Full - stack Architecture and High - performance Optimization**: Led the design of over 5 enterprise - level systems (Intelligent office platform/AI low - code platform), optimized the performance of core modules by over 80%, and improved the interface response speed from 5s to within 1s (PwC project).
2. **AI Technology Implementation Capability**: Integrated RAG processes/Intelligent search systems, promoted the integration of low - code platforms with internal systems, and increased data analysis efficiency by 40% (AI Flow Creator project).
3. **Cross - platform Engineering Practice**: Proficient in microservice architecture (Nx Monorepo migration/MFE front - end architecture), unified multi - cloud message queues (Azure/AWS/GCP), and reduced deployment costs by 30%.

Project Experience

PwC Information Technology (Shanghai) Co., Ltd. (Mar 2019 - Jun 2025)

Concourse (Sep 2024 - May 2025)

- **Project Overview**: A simplified, intelligent, and transparent delivery platform that makes complex interactions easy.
- **Technology Stack**: Full - stack: TypeScript/ApolloGraphql Front - end: React/Azure Power App Back - end: Node.js/Nest.js Cloud Services: Azure Service Bus Databases: PostgreSQL/Redis
- **Personal Contributions**:
  - On the back - end, was responsible for maintaining various data CRUD APIs to ensure efficient data management and operations.

- On the front - end, participated in the design and development of the home page, improving the platform's user interface experience.
- Wrote scripts for maintaining and updating customer data, improving the automation and accuracy of data processing.
- Understood the front - end project structure of MFE, making the module division in large - project collaboration more clear and independent.
- Participated in the migration of Monorepo based on Nx, solving the problems of inconsistent multi - service version libraries and complex and bloated project startup in the microservice architecture.
- Participated in the design and implementation of the migration of some front - end pages from Azure Power App to React.

AI Flow Creator (Jul 2024 - May 2025)

- **Project Overview**: An internal POC project, an AI low - code platform based on Flowise, integrating the company's internal systems and customizing front - end AI and components to facilitate the construction of AI robots.
- **Technology Stack**: Full - stack: TypeScript Front - end: React Back - end: Node.js/Express/TypeOrm/Long Chain Cloud Services: LLM api (chatGpt/ollama) Databases: PostgreSQL/Redis
- **Personal Contributions**:
  - Solved the integration problem of the low - code platform: Designed a user single - sign - on and resource grouping scheme, implementing cross - system permission control through OAuth 2.0 + JWT to ensure data security.
  - Developed a reusable component system: Implemented the export structure of the back - end runtime library and front - end components, supporting extension functions such as AI answer icon plugins and promoting the platform component reuse rate to 70%.
  - Built AI application scenarios:
    - Developed a "Question to SQL + Chart Visualization" process, increasing data analysis efficiency by 40%.
    - Implemented an AI search function, with a search efficiency 80% higher than that of traditional browsers.
    - Implemented a large - document Q&A system based on RAG, increasing the answer relevance by 60% through vector retrieval.

Model Edge (Jun 2023 - Jun 2024)

- **Project Overview**: Provides a better model governance and verification model, supporting end - to - end model lifecycle management. It enables the management, development, verification, and governance of all model combinations (including AI models) in a single platform. By demonstrating model effectiveness and interpretability, it enhances confidence in model projects.
- **Technology Stack**: Full - stack: TypeScript/ApolloGraphql Front - end: Angular Back - end: Node.js/Express Cloud Services: GCP Firebase/Pub/Sub/Azure Service Bus/AWS SQS Databases: PostgreSQL/Redis
- **Personal Contributions**:
  - Designed the ResponseAI system and risk calculation logic, improving the risk assessment accuracy by 25% through dynamic model selection and supporting tens of millions of transaction

scenarios.

- Integrated a login system based on Azure user authentication, increasing the diversity of login methods.
- Unified the message queue services of multi - cloud platforms (Azure Service Bus/AWS SQS/GCP Pub/Sub), reducing cross - cloud deployment costs by 30% and increasing code reuse rate to 80%.
- Conducted performance testing and optimization using JMeter, reducing the core interface response time from 5s to 800ms and meeting the SLA 99.9% requirement.

PwC Workforce Orchestrator (Mar 2019 - Jun 2023)

- **Project Overview**: This project aims to enhance team productivity and engagement through customized digital experiences. Workforce Orchestrator, as an intelligent digital platform, connects people, information, and applications in real - time to create an efficient working environment. It uses a mobile engagement platform for one - to - one communication, supports personalized message push and task management. It also uses automated chatbots to respond to inquiries and collects feedback through pulse surveys to adjust strategies, empowering employees in all aspects and fostering a culture of continuous improvement.
- **Technology Stack**: Full - stack: TypeScript/ApolloGraphql Front - end: Angular Back - end: Node.js/Express Cloud Services: GCP Firebase/Pub/Sub/Google Dialogflow Databases: PostgreSQL/Redis
- **Personal Contributions**:
  - Designed a distributed real - time communication system (Firebase), achieving a message push success rate of over 99% and supporting high - concurrency scenarios (peak TPS of over 2000).
  - Optimized asynchronous data processing based on Pub/Sub + Express + GraphQL, improving the system response speed by 60%.
  - Led the design of a single - sign - on system, implementing independent login logic across platforms (PC/mobile) and solving the problem of mutually exclusive logins on the same platform.
  - Abstracted the message service layer, unifying the call interfaces of Teams/SMS/Web IM and supporting dynamic configuration of the number of channel services.
  - Integrated Dialogflow to implement an intelligent customer service, completing natural language processing and action binding, and increasing user satisfaction by 35%.
  - Participated in the UI version iteration to make the interface clearer and more fluent, and the permission pages of managers and onboardees more explicit, improving the user page efficiency by 50%.
  - Participated in the design and implementation of the feature flag function to ensure partial availability of the system, with the same permissions for web, back - end, and message entry users, and dynamic user visibility.

Shanghai Xiudian Network Technology Co., Ltd. (Aug 2018 - Feb 2019)

A TV Station App (Oct 2018 - Feb 2019)

- **Project Overview**: This app includes functions such as TV program viewing reminders, a mall, games, and red - envelope grabbing.

- **Technology Stack**: Full - stack: TypeScript Front - end: Vue Back - end: Node.js/Egg.js/Express/Koa/RabbitMQ Cloud Services: Alibaba Cloud Databases: Mysql/mongodb/Redis
- **Personal Contributions**:
  - During the app docking phase, participated in the discussion and design of interface specifications, unifying the client interface standards and improving the system's compatibility and maintainability.
  - Developed the entire logic of the koi activity, reasonably using message queues to decouple the app's native logic from the activity logic and improving the system's flexibility and scalability.
  - Designed and implemented a prize distribution logic for normal distribution of prizes, optimizing the fairness and fun of the lottery activity.
  - Used Redis to implement session sharing, solving the problem that the JWT issuance time could not be controlled midway; used SortedSet to count the most frequently played games; used expired keys to implement scheduled tasks, improving the system's performance and stability.
  - Participated in the invitation test of Alibaba Cloud interactive live - streaming and designed part of the live - streaming logic prototype, laying the foundation for the subsequent development of live - streaming functions.

Xiudian 2.0 (Aug 2018 - Oct 2018)

- **Project Overview**: An e - commerce platform, including modules such as products and inventory. The author participated in the promotion part, partner rule formulation, and profit - sharing settlement.
- **Technology Stack**: Full - stack: TypeScript Front - end: Vue Back - end: Node.js/Egg.js/Express/Koa/RabbitMQ Cloud Services: Alibaba Cloud Databases: Mysql/mongodb/Redis
- **Personal Contributions**:
  - Developed the app - side interfaces of the promotion module to meet the needs of Android and iOS.
  - Participated in the development of back - end interfaces and the design of some business logic, providing technical support for the promotion and operation of the e - commerce platform.
  - Participated in the implementation and design of the partner bonus distribution and settlement part.

Shanghai Jinqiao Information Co., Ltd. (Oct 2013 - Aug 2018)

Meeting Platform System (Oct 2016 - Aug 2018)

- **Project Overview**: A meeting system based on third - party audio - video SDKs, with functions such as meeting creation, appointment, control, live - streaming, and recording. It has derived customized products such as public class live - streaming in the education industry and court industry execution on - duty.
- **Technology Stack**: Full - stack: Javascript Front - end: Backbone Back - end: Node.js/Express Cloud Services: Alibaba Cloud Databases: mongodb/Redis
- **Personal Contributions**:
  - **Design Phase**:
    - Introduced an authentication center, solving the problems of independent user system development in each project and system - to - system synchronization, and improving the efficiency and consistency of user management.

- Designed unified permission management and external application intervention management, providing a unified configuration and distribution scheme for subsequent microservice access.
- Promoted the use of Markdown for document writing, improving the efficiency of document writing, publishing, iteration, and sharing.
  - **Development Phase**:
    - Developed a third - party Node.js SDK, providing standard HTTP interfaces for other company projects to facilitate the access of different technology stacks.
    - Participated in the design and development of DingTalk docking with the address book, SMS calls, and external live - streaming and recording interfaces, implementing a single - responsibility architecture for services.
    - Used Mocha.js/Nock/SuperTest to implement automated unit testing, reducing the risks brought by code iteration in agile development.
    - Used the async/await feature of the new version of Node.js to improve the readability of asynchronous code.
    - Introduced a Git - Flow - based development process to help the team switch from SVN to Git, solving the problems of chaotic code branches and version release specifications.
    - Participated in the design and promotion of the MongoDB cluster, optimizing the database design, reducing the request time for 1000 QPS from 6s to 3s, and improving the system's concurrency performance and database stability.
    - Introduced Redis to cache pages, accelerating the rendering efficiency of Jade template pages.
  - **Deployment Phase**:
    - Used Docker/AliNode/NewRelic to manage the release and monitoring of online and test environments, improving the team's ability to discover code problems and optimize performance.
    - Configured Nginx and service clusters to achieve load balancing among instances of the same service.

Course Scheduling System (May 2015 - May 2016)

- **Project Overview**: A course scheduling system based on teachers.
- **Technology Stack**: Full - stack: Javascript Front - end: Backbone Back - end: Node.js/Express Cloud Services: Alibaba Cloud/Local Server Databases: mongodb/Redis
- **Personal Contributions**:
  - Implemented a course scheduling component based on Backbone on the basis of the reservation system, enabling teachers to select class times more accurately and smoothly. The performance of this component was improved by 100%, and the time calculation was more accurate, matching to the minute by obtaining the moving distance through drag - and - drop events.
  - Helped with the deployment and maintenance of the project upgrade and operation.

Meeting Reservation System (Oct 2014 - Dec 2015)

- **Project Overview**: A Web reservation system used in conjunction with Android terminals placed in meeting rooms.
- **Technology Stack**: Full - stack: Javascript Front - end: Backbone Back - end: Node.js/Express Cloud Services: Alibaba Cloud/Local Server Databases: mongodb/Redis

- **Personal Contributions**:
    - Helped with the deployment and maintenance of project upgrades and operations on different projects.
    - Replaced the company's internal framework with the Express framework, solving the reliability problems of the original framework's database and data persistence; introduced MongoDB as the main database.
    - Used Backbone to implement a reservation component based on div grids to ensure each half - hour time slot.

Announcement System (Oct 2013 - Oct 2014)

- **Project Overview**: A Web interface layout, an announcement service system presented in conjunction with Android and Windows terminals.
- **Technology Stack**: Full - stack: Javascript Front - end: Backbone Back - end: Node.js/ESP (Internal Framework) Cloud Services: Alibaba Cloud/Local Server Databases: SQLite
- **Personal Contributions**:
    - During the callback period, used Async.js to manage the readability of asynchronous code; first used Backbone.js to implement component - based development, designing functions such as file download, viewing, and management.
    - Participated in the design and development of the announcement editing system, including web drag - and - drop layout components, back - end storage, and different component presentation forms for client rendering, such as weather, time, PPT, documents, and text.

Client Projects

WeChat Access Control (Oct 2015 - Oct 2016)

- **Project Overview**: Docked with enterprise WeChat and access control providers to use the scan - to - open function for the company's access control system.
- **Technology Stack**: Node.js/Express/WeChat official account development
- **Personal Contributions**: Successfully completed the WeChat docking, solving the problem of some colleagues forgetting to bring their access control cards.

HTML5 Scan - to - Navigate (Feb 2016 - Jun 2016)

- **Project Overview**: A simple navigation process made in HTML, integrated into the WeChat system built in the access control. In cooperation with the company's guide machine project, it realized the navigation function in an environment with few points.
- **Technology Stack**: Node.js/Express/Backbone.js
- **Personal Contributions**: Used HTML5 to implement map navigation after scanning the QR code of the current point.

Development of Backbone.js - based Table and Pagination Components

- **Project Overview**: Summarized the experience of multiple projects to develop reusable components based on Backbone.js, such as customizable tables automatically generated based on Collections.
- **Technology Stack**: Node.js/Express/Backbone.js

- **Personal Contributions**: Completed the component development, improving code reuse rate and development efficiency.

Docking of a DingTalk HTML5 Mini - app (Address Book Synchronization)

- **Project Overview**: Similar to the WeChat docking, realized DingTalk address book synchronization.
- **Technology Stack**: Node.js/Express/MongoDB
- **Personal Contributions**: Completed the DingTalk docking work.

Other Projects

- Developed an npm module for Alibaba Cloud SMS (when the official did not support Node.js at that time).
- Developed a simplified version of the Dream of the Red Chamber character point - allocation simulator, solving the problem that the point - allocation simulator was unavailable after the system update.
- Developed a third - party API encapsulation module (similar to the SMS system).

Professional Skills

1. Technology Stack System

(1) Server - side Development

- **Core Languages**: Node.js (javascript)/Golang (Proficient in the Gin framework)/bash scripts
- **Frameworks and Tools**: Express/Nest.js/Apollo (Graphql), proficient in microservice architecture (Monorepo/Nx)/Containerized deployment (Docker/Kubernetes)/nginx
- **Databases and Caching**: Relational (PostgreSQL/MySQL)/Non - relational (MongoDB/gcp - firebase)/Caching (redis), good at index optimization and cluster design
- **Message Communication**: RabbitMQ/GCP Pub/Sub/Redis/Azure - Service - Bus/aws - sqs/MQTT, achieving asynchronous data consistency in high - concurrency scenarios, using restful api, GraphQl, Grpc for synchronous data communication, and Socket.io/websocket for full - duplex communication

(2) Front - end Development

- **Frameworks**: React/Angular (Proficient in state management and component - based design)/Familiar with Vue/Proficient in Backbone.js
- **Component Libraries**: Material UI/Ant Design/Element UI
- **Engineering**: Webpack/Vite build optimization, TypeScript static type checking, MFE architecture

2. Engineering Capabilities

- **Deployment and Monitoring**: Nginx load balancing/Alibaba Cloud/GCP/Azure/Aws cloud platform management/NewRelic performance monitoring
- **Testing and CI/CD**: Mocha/JMeter/Postman/Jtest automated testing/GitFlow version management/Jenkins continuous integration
- **AI - assisted Development**: GitHub Copilot code generation/Low - code platform secondary development

Education Background

- **School**: Shanghai Polytechnic University
- **Degree**: Bachelor's Degree
- **Major**: Software Engineering
- **Time**: Sep 2009 - Jun 2013

Language Proficiency

- English: proficient in reading technical documents (such as MDN official documents) and communicating in English technical conferences
- Mandarin: Native - level proficiency, outstanding ability to report technical solutions