


# Leo Ji (季立豪)

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## Full-stack Engineer (Frontend-focused)

 Santiago, Chile

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 **Work Authorization:** Valid 2-year Chile Work Visa

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## Professional Summary

Frontend-leaning full-stack engineer with 6 years of experience in building **data-heavy web applications**, large-scale **React** projects, and **Node/Python** backends. Strong background in **dashboards**, **analytics systems**, and **industrial business tools**. Experienced in cross-stack development, **RAG-based AI integration**, and independent project delivery. Currently seeking opportunities in international or Chile-based teams.

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## Technical Skills

- **Frontend:**  
React, Vue3, TypeScript, Pixi.js (WebGL), **SSR/SSG frameworks** (Next.js or ext),  
Less/Sass/TailwindCss
  - **Backend & AI:**  
Node.js, nest.js, Python (**Django**, **FastAPI**), **RAG**, WebSocket, REST APIs
  - **Data & Performance:**  
Pandas, Web Workers, large table processing, analytics integration
  - **Engineering:**  
Git, Linux, Basic Cloud & Docker
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## Work Experience

### Full-stack Engineer

#### MCP-based AI Project (Private Company)

Hangzhou, China

May 2025 – Sep 2025 (Relocated to Chile)

- Developed a **Node.js server** for an MCP (Model Context Protocol) based AI customer service system.
- Designed and implemented a **Node + Python hybrid backend architecture**, utilizing WebSocket for real-time communication.
- Conducted **vectorization (for RAG)** and performance benchmarking on low-performance servers, optimizing response time under limited hardware conditions.

- Built a **web demo interface** to help non-technical staff integrate legacy systems with the new AI workflow.
  - Independently developed a general-purpose **MCP client** (similar to Cherry Studio/Chatbox) for AI interaction and experimentation. Evaluated commercialization feasibility; provided strategic insights on usability and scaling cost considerations which led to the project's tactical pause.
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## Frontend Engineer

### Advanced Institute of Information Technology, Peking University

[aiit.org.cn](http://aiit.org.cn)

Hangzhou, China

Oct 2022 – Oct 2023

(Employment-based engineering role at a top-tier research institute)

- Designed and implemented **dashboard-style web applications** for government-related engineering and public information projects.
  - Built **data visualization interfaces** based on aggregated public bidding and tender announcement data.
  - Developed **data ingestion and processing logic** (using Pandas) to collect and structure public-sector information for frontend consumption.
  - Built an **SEO-optimized information service website** using Gatsby, significantly improving content discoverability and performance.
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## Frontend Engineer

### Zhiyi Technology

Hangzhou, China

Jul 2020 – Apr 2022

- Developed and maintained large-scale **React** and **TypeScript** applications for e-commerce data analysis and business intelligence tools.
  - Built complex **data-driven interfaces**, including waterfall-style content displays, dynamic dashboards, and high-performance charts using Pixi.js.
  - Integrated **Sensors Analytics (Shence) APIs** for deep user behavior tracking and event-driven analysis.
  - Improved performance of data-heavy features by using **Web Workers** for large table exports and long-running computations.
  - Collaborated closely with product and backend teams to support long-term iteration in a high-pressure production environment.
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## Junior Frontend Engineer

### Hanze Network Technology Co., Ltd.

China

Apr 2019 – Apr 2020

- Worked on a well-known public-facing government platform supporting complex complaint and reporting workflows.
  - Implemented **UI components** and form-based interactions for data submission and review processes.
  - Collaborated with backend engineers to integrate APIs and ensure stability in a high-concurrency production environment.
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## Structural Engineer

[Hangzhou Honyar Electrical Co., Ltd.]

China

Jul 2018 – Apr 2019

- Responsible for structural design and mechanical analysis of industrial components.
  - Managed **Manufacturing BOM (Bill of Materials)**, ensuring high precision in material requirements and supply chain data.
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## Education

**Bachelor of Engineering (B.Eng.) in Mechanical Engineering & Automation**

Zhejiang University of Technology (ZJUT)

Hangzhou, China | 2017

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## Languages

- **English:** Professional Working Proficiency (Confident in technical reading/writing)
  - **Mandarin Chinese:** Native
  - **Spanish:** Beginner (Currently enrolled in intensive learning)
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