

Basic Information

- Name: CHEN LEI
 - English Name: Ethan
 - Date of Birth: 1989-01-06
 - Nationality: Chinese
 - Education: **Full-time 4-year Bachelor's Degree**
 - Major: **Software Engineering**
 - Graduation Institution: **Chongqing University of Posts and Telecommunications**
 - Graduation Period: September 2010 - June 2014
 - Work Experience: **10+ years**
 - Email: chenleijava@gmail.com
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Strengths

1. Nearly a decade of software development experience, specializing in large-scale online service design and development. Proven ability to lead as a technical product owner, with deep insights into both product and software services.
 2. Managed teams of up to 10 developers as a technical lead, successfully delivering multiple critical projects.
 3. Proficient in multiple programming languages, including but not limited to **Java, Golang**, and familiar with widely-used frameworks and tools in software development. Passionate about technology, regularly updating a personal tech blog and maintaining open-source projects.
 4. Experienced with cloud services like Tencent Cloud, Alibaba Cloud, AWS, and Azure, capable of handling deployment and operational tasks. Skilled in mobile development and integration.
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Job Preferences

- Employment Type: Full-time, Remote
 - Position: Software Engineer
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Technical Skills

1. **Product technical requirements analysis, technical documentation, architecture design, communication, team leadership, issue tracking, debugging**
Extensive experience in product development and management, excelling in requirements analysis, documentation, team leadership, and problem-solving.
2. **Programming Languages:** Proficient in **Java, Golang, C/C++, React, JavaScript, C#, HTML, CSS**, and more.
3. **Web Development:** Familiar with frontend frameworks like **React**, package managers (**yarn, pnpm, npm**), and scaffolding tools (**Ant Design Pro, antd, antd charts, Procomponents**).
4. **Databases & Tools:** Hands-on experience with relational databases (**MySQL, PostgreSQL, TimescaleDB, ClickHouse**), query optimization (B-tree indexes,

composite indexes, covering indexes), and tools like `kingshard` . Also experienced with in-memory databases (`Redis`, `Pika`) and connection pooling. [Redis Open-Source Toolkit](#)

5. **Full-Text Search & Log Analysis:** Proficient with `ElasticSearch`, `Kibana`, `Filebeat`, `Logstash` for data search and log analysis.
 6. **Frameworks & Libraries:** Skilled in `Spring Boot`, `Spring Cloud` (including `Alibaba`), `go-micro`, `go-zero`, `gateway`, `gin`, `gRPC`, `nginx`, `JSON`, `Protobuf`, `FlatBuffers`, `MessagePack`, `MQTT`, `Modbus RTU`, `RS-485` , and more.
 7. **Message Queues:** Experience with `RabbitMQ` and `NSQ` for distributed messaging and asynchronous operations, ensuring reliable delivery and data consistency.
 8. **Network Programming:** Worked with frameworks like `Netty`, `Mina`, `Mudo`, `gnet` for network communication.
 9. **Distributed Task Scheduling:** Used tools like `xxl-job`, `datax` for distributed task management.
 10. **RESTful API Design:** Designed and implemented RESTful APIs with JWT, and applied encryption (RSA, AES) for secure data transmission.
 11. **Containerization:** Proficient with `Docker` and `Docker Compose` for containerized application deployment.
 12. **Service Registration & Configuration:** Experienced with `consul`, `etcd` for service discovery and configuration. Open-source project: [ETCD-V3-EDITOR](#) (visual configuration management tool).
 13. **DevOps:** Capable of basic Linux system operations and partial DevOps tasks.
 14. **Version Control:** Skilled with `Git`, `SVN` , and platforms like `GitHub` and `Gogs`.
 15. **Operating Systems:** Familiar with `Windows`, `Linux`, `macOS` .
 16. **Development Tools:** Proficient in `IDEA` and `VS Code`.
 17. **Cloud Services:** Hands-on experience with `Tencent Cloud`, `Alibaba Cloud`, `AWS`, and `Azure`.
 18. **Development Workflow:** Practiced `Agile (Scrum)` for efficient project management and iterative delivery.
 19. **Software Testing:** Experienced in unit, integration, and system testing, with knowledge of CI/CD and containerized services.
 20. **Payment Integration:** Integrated third-party payment systems like `Alipay`, `WeChat Pay`, and `Google Pay`.
 21. **Personal Projects:** [GitHub Profile](#) and [Tech Blog](#), showcasing open-source projects and technical articles.
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Work Experience

1. FlowTec

Position: Product Owner

Duration: November 2023 - Present

Responsibilities:

1. ☒ Engaged in industrial IoT product R&D, including blast furnace coal injection analysis, CAD drafting, BOM management, market research, and on-site promotion.
2. ☒ Used `go-zero` for backend scaffolding, `antd` for frontend, and `TimescaleDB` for time-series data storage. Implemented PLC algorithms for coal injection.

2. Freelance

Position: Freelancer

Duration: March 2023 - November 2023

Responsibilities:

1. ☒ Developed AIGC-related products, integrating GPT for ChatBot AI, AskAI, and translation tools.

3. Company: Yidoutang

Position: CTO

Duration: October 2022 - March 2023

Responsibilities:

1. ☒ Led system architecture design and technical problem-solving.
2. ☒ Provided technical support to teams and participated in product/market analysis.
3. ☒ Integrated BI tools for data visualization and reporting.

4. Company: Guangzhou Xingmeng

Position: CTO

Duration: April 2019 - October 2022

Responsibilities:

1. ☒ Oversaw system architecture, project management, and team development.
2. ☒ Led cloud deployment, DevOps, and strategic planning for product scalability.

5. Company: Chongqing Suzhanwei Technology

Position: Software Engineer

Duration: October 2015 - September 2018

Responsibilities:

1. ☒ Developed and maintained modules, collaborated on Qt-based UI redesign, and improved network modules.

6. Company: Chengdu Dechi Environmental Technology

Position: Software Engineer

Duration: June 2014 - October 2015

Responsibilities:

1. ☒ Handled backend coding, database design, and technical documentation.
2. ☒ Assisted in product requirement discussions and network service implementation.

Project Experience

Project: Blast Furnace Coal Injection System

Duration: November 2023 - Present

Company: FlowTec

Background:

Automated control system for uniform coal injection in blast furnaces, enhancing efficiency and reducing emissions.

Details:

- Built on `go-zero` with `TimescaleDB` for time-series data and PLC for industrial control.
- Designed real-time monitoring interfaces using `antd` and optimized data queries.

Project: ChatBot AI, AskAI, Translation Tool

Duration: October 2022 - March 2023

Company: Personal Project

Background:

AI-powered chatbot and translation tools leveraging GPT models.

Details:

- Integrated GPT via `go-zero` and `React`, focusing on multilingual support and performance.

Project: Gateway Design

Duration: October 2022 - March 2023

Company: Yidoutang

Background:

High-performance gateway for traffic management and security.

Details:

- Implemented using `go-micro`, `gin`, and `etcd`, with load balancing and real-time monitoring.

Project: Ad Aggregation Platform

Duration: April 2019 - October 2023

Company: Guangzhou Xingmeng

Background:

Unified ad management system for multiple apps, featuring payment integration and data analytics.

Details:

- Deployed microservices with `go-micro`, `etcd`, and `gRPC`. Used `ClickHouse` for analytics and `RabbitMQ` for async processing.

Project: Smart Food Locker System

Duration: October 2015 - September 2018

Company: Chongqing Suzhanwei Technology

Background:

QR-based self-service food pickup system to reduce queues.

Details:

- Developed with `SpringBoot`, `Qt`, and `RS485` for hardware control.

Project: Card Game

Duration: June 2014 - October 2015

Company: Chengdu Dechi Environmental Technology

Background:

Strategy-based card game with custom networking protocols.

Details:

- Built with `Java` , `Netty` , and `Protobuf` , solving packet aggregation issues in TCP/IP.