

# Wangtandong

## Self evaluation

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- ◆ **Background:** Rich development experience, proficient in front-end and back-end development languages, with experience in large-scale joint venture project development, with 0-1 independent development, online and iterative large-scale platform, management system, and other project development; Capable of building system architecture and technology selection for microservices, high concurrency, high availability, and large data volume. At the same time, I have a solid technical foundation, am familiar with commonly used data structures and algorithm ideas, have in-depth research on mainstream development frameworks, and have some experience in framework customization development.
- ◆ **Professional:**
  - **Language Skills:** CET-4、 JLPT-N1.
  - 1) Proficient in basic knowledge of Java, C++, and C, with good object-oriented programming thinking.
  - 2) Proficient in Node.js, with experience in building Node.js architecture from 0 to 1.
  - 3) Master the basic knowledge of JavaScript. Master the basic knowledge of asynchronous programming, such as callback functions, Promise, Async/Await, etc.
  - 4) Familiar with JS asynchronous programming, capable of front-end performance optimization, familiar with web security related knowledge, with high requirements for accessibility, ease of use, and compatibility.
  - 5) Proficient in mastering the basic knowledge of HTML/CSS/JS and the new features of H5/CSS3/ES6/ES7.
  - 6) Familiar with front-end engineering Webpack configuration and conducting performance optimization.
  - 7) Proficient in React, Vue, Angularjs, and Bootstrap frameworks.
  - 8) Master the technology of Nodered process control.
  - 9) Proficient in using Linux operating system and shell scripts.
  - 10) Familiar with K8s and Docker containerization development.
  - 11) Master the technologies related to Mocha, Chai, and Nemo automated testing frameworks.
  - 12) Master databases such as MongoDB, MySQL, Redis, and PostgreSQL.
  - 13) Mastering ORM such as Sequencing and Waterline.
  - 14) Master Web3 related technologies and be familiar with blockchain principles; Experience in Web3 projects.
  - 15) I have rich experience in developing high concurrency, distributed, and microservice architectures.
  - 16) Proficient in the use and workflow of Git.
- ◆ **Comprehensive quality:** Having owner awareness, passion, pursuit of excellence, good teamwork spirit and execution ability, strong analytical and problem-solving skills. Punctual and trustworthy, with strong learning ability, constantly enriching and improving oneself, adapting to industry requirements and new technological challenges, and handling affairs with strong organization. Patient, willing to share and communicate, with a spirit of researching new technologies, and able to apply them to project development.

## Work Experience

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**2022.05 to present      Hainan Huodong Technology Beijing Branch and Beijing Jingrun Technology Co., Ltd      Senior Nodejs Developer**

- ◆ **Specific responsibilities:**
  - **Requirement review:** Arrange corresponding R&D personnel for each business line to participate in the review meeting, explain the background and requirements, propose technical suggestions, reach consensus, and complete the project review.
  - **Project Planning:** Based on the new requirements proposed by customers, design functional module points, assign them to team members for development, divide functional points based on prototype design, calculate daily workload per capita, formulate development plans and refine decomposition to ensure that the project is launched as scheduled.
    - **Core development:** Lead the development of core functions of the product, including technical breakthroughs in core difficulties, implementation of core module code, and delivery and iteration of the product.
    - **Functional self-test:** After completing the module code, perform functional self testing, confirm normal operation, and hand over to testers for functional and performance testing. Simulate and optimize various scenarios within the scope of understanding the business.
    - **Code review:** Convene relevant developers to attend a meeting, describe their own development functions, take stock of the impact on performance or other business logic, and provide reasonable suggestions.
    - **Code optimization:** Optimize for redundant code and Sql to improve research and development efficiency.
    - **Operation and maintenance:** Complete project release, deployment and maintenance of production environment, and provide technical support for any issues that arise.
- ◆ **Work achievements:** Implemented the operation of the project from 0 to 1 and took on the responsibility of full stack development, improving the ability to coordinate the project.

**2021.07-2022.03      Beijing      Yunji      Intelligent      ManufacturingTechnology      Co.Ltd      Senior Software Engineer**

**Enterprise Introduction:** LinkedSee Lingxi is an operations and maintenance big data company, mainly focusing on assisting enterprises in addressing hardware operations and maintenance needs, and applying big data to monitoring systems; By collecting hardware temperature, performance, and other data, key analysis is conducted to improve accuracy.

- ◆ **Core Responsibilities:** Mainly responsible for the development of a big data platform project based on Devops log analysis.
- ◆ **Technology roadmap:**
  - **development tool:** Secondary development based on the open-source library Node red.
  - **Background architecture:** Under the Express framework, the Restful API implements logical processing using NodeJs in the backend.
  - **Work achievements:** Independently responsible for the implementation of the cloud big data platform system from 0 to 1, timely delivery, smooth launch, and subsequent iterative optimization.

**2020.09-2021.04      Shuyan Technology Co., Ltd      Senior Software Engineer**

**Enterprise Introduction:** Shuyan Technology was established in 2010 and is one of the earliest and most technologically advanced oilfield digitalization companies in China. It is also one of the two internationally recognized digital core professional service companies. The company has 3 research centers, 6 laboratories, and joint laboratories worldwide.

- ◆ **Core Responsibilities:** Mainly responsible for developing a website for analyzing geological cores based on digital core technology.
  - **Functional prototype design:** Conduct in-depth research and analysis, accurately understand user level requirements and specific requirements such as functionality, performance, and reliability of the project, transform abstract information of internal business requirements into concrete information, including descriptions and explanations of sections, interfaces, elements, and their execution logic, clearly express the product design concept and functional execution

logic, and collaborate with the project manager to output requirement documents.

- **Interaction capability building** : Refactoring the project and optimizing performance, developing code specifications, and continuously optimizing the product user experience.
- **Technical management**: Developed front-end development specifications and annotations to improve team development efficiency; Write test cases to improve project quality.

◆ **Technology roadmap:**

- **Background architecture** : Based on the Express framework, the Restful API implements logical processing using NodeJs in the backend.
- **Data communication**: The asynchronous part is mainly implemented using Es7+promise.
- **Database**: PostgreSQL+Redis, version control using Git.
- **Front end architecture**: Vue.js implementation.

**2018.04-2020.08 Shanghai Hande Information Technology Co., Ltd Senior Software Engineer**

**Enterprise Introduction:** Shanghai Hande has been engaged in professional ERP implementation services in China since 1996. The company was established in 2002 and is the earliest, largest, and most experienced IT consulting service company in China.

- ◆ **Core Responsibilities** : Mainly responsible for the implementation of website business side functions required by the project, including the design and development of Restful interface, database table design, and other work.
- ◆ **Technology roadmap:**
  - **Background architecture**: The backend architecture is based on the Express framework, using the Restful API to implement logical processing using NodeJs in the backend. Simultaneously calling Java microservices to implement business functions.
  - **Data communication: The asynchronous part is mainly implemented using Es7+promise.**
  - **Database**: Use Mongoddb+Redis, and use Git for version control.
  - **Front end architecture**: Page implementation using frameworks such as React.js, Vue.js, and Vuex.
- ◆ **Work achievements**: Through the microservice architecture, development efficiency has been improved, personnel investment has been reduced, and enterprise costs have been saved.

**2017.10-2018.04 Beijing Xinbiyou Information Technology Co., Ltd Software Developer**

**Enterprise Introduction:** Beijing Xinbiyou is one of the subsidiaries established by Xinbiyou Company in the global business scope. Its business mainly focuses on artificial intelligence (AI), Internet of Things (IoT), data mining, cloud storage, and distributed computing. It has established long-term partnerships with numerous Fortune 500 companies and excellent technology companies at home and abroad, and is a trusted IT technology service partner for global customers.

- ◆ **Core Responsibilities**: Mainly responsible for developing automated testing frameworks, with NodeJS+Nemo technology as the main focus.
- ◆ **Work achievements** : Successfully launched the automated testing framework, achieving automated operation of the company's testing process, reducing company costs, and improving testing efficiency.

**2016.04-2017.10 Beijing Shanmeng Technology Co., Ltd Software Developer**

- ◆ **Job responsibilities**: Responsible for the internal management system under the MAC operating system, using Webstorm to develop Restful interfaces, designing database tables, and collaborating with front-end and testing personnel to complete the code implementation of main functions such as order management, schedule management, and online chip selection on mobile, WeChat, and PC ends.
- ◆ **Technology roadmap:**
  - **Architecture**: Based on the Koa framework, Restful API is implemented in the backend, and NodeJs is used to process logic.
  - **Data communication**: Generator+Promise for Co and Es6.
  - **Database**: Mongoddb and MySQL for storage.
  - ◆ **Work achievements**: This project is a tool for promoting and workflow management for

independent photographers and photography studios, achieving online delivery of photographer's photography services and products, as well as the dissemination and promotion of works and personal brands.

#### **2015.09-2016.04 Isoftstone Technology Service Co., Ltd. Beijing Branch Software Developer**

- **Core Responsibilities :** Mainly responsible for the architecture design and core function development of the "Enterprise Accounting Management System
- **Function development:** Implement the business logic and interface display described in the requirements document.
- **Bug optimization:** reproduce problems based on error feedback from testers; Debug the program, identify the cause of the problem, and provide a solution.
- ◆ **Technology stack:** H5+Bootstrap+Java+WildFly+Postgres.

#### **2014.11-2015.09 Dalian Sokville Information Technology Co., Ltd Nodejs Developer**

- ◆ **Job Description:** Engaged in front-end and back-end development of website systems, presentation of front-end pages, and implementation of post Restful interfaces. Made simple modifications to some plugins such as Select2.
- ◆ **Specific responsibilities:**
  - Core development: Responsible for the implementation of functions and code for the internal information system website dashboard, nodes, node groups, user information, agents, agent groups, and statistical information.
    - ◆ Interaction design: The foreground switches pages through the routing part of AngularJs. After switching to the specified page, the background Restful API is called to obtain the required processing results and Json data.
- ◆ **Technology stack:**
  - 1) The basic page is built using HTML5, and the logical part of the page is implemented using AngularJs+native Js+jQuery.
  - 2) The front-end and back-end data interaction is encapsulated using Ajax technology combined with AngularJs.
  - 3) The backend is based on the Express framework and uses NodeJs to perform logical processing in the backend.
  - 4) The database is stored using Mongodb and Redis, and version control is done using Git.
  - 5) Using third-party Async libraries to handle asynchrony.
- ◆ **Work achievements:** Adopting diversified data storage methods has improved storage capacity, query ability, read and write performance, and data reliability. The introduction of Mongodb has improved the performance of large data volume linked table queries, reduced the storage consumption of massive monitoring data, and overall improved the performance of the product..

## **Project Experience**

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### **Blockchain Wallet**

- ◆ **Project Introduction:** Wallet is a service implemented by blockchain exchanges to generate addresses, build transaction signatures, and broadcast.
- ◆ **Technology stack:** Vue+Nodejs+Electron+Web3.js+Redis+Jenkins+Mysql.
  - **Project responsibilities:** Completed the generation of addresses, construction of transactions, signatures, and broadcasts for different currencies; And validate the entire process.
  - **Architecture design:** The backend architecture is based on the Restful API implementation under the Express framework, using NodeJs for logical processing; The asynchronous part is mainly implemented using ES7+promise.
  - **Core development:** Responsible for cold wallet development, such as supporting XTZ currency to generate addresses, transactions, offline signatures, and broadcast functions.
    - ◆ **Project achievement:** Completed the generation of addresses, construction of transactions, signatures, and broadcasts for different currencies. By reading research documents and official websites for each currency, I have mastered blockchain related technologies and gained a deep understanding of blockchain principles, digital currency mechanisms, and mainstream digital currencies.

### Cloud based big data platform

- ◆ **Project Introduction:** The Cloud Big Data Platform is a platform used for log monitoring
- ◆ **Technology stack:** Nodejs+Nodered+Nifi+Mysql.
- ◆ **Core development:** Local application based on the open-source library Nodered. Connect the IAAS layer to the SaaS layer to achieve intelligent unified monitoring of the entire business chain; Flexible indicator extension and report customization; Distributed deployment management architecture; Seamless integration with third-party management systems.
- ◆ **Data intelligence:** Connect front-end user experience data and back-end IT support data, providing a decision-making basis for intelligent root cause analysis; Integrate cloud architecture IAAS, PAAS, SAAS, and IDC comprehensively, and use machine learning and algorithm models to achieve digital intelligent monitoring.
- ◆ **Project achievement:** Integrating the three aspects of "monitoring, management, and governance" organically, providing an intelligent, efficient, simple, and integrated intelligent monitoring platform for customer IT systems, and providing strong IT support and quality assurance for enterprise business.

### Education

2012.09-2014.06

Dalian Jiaotong University

Software Engineering

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