# Resume

## Contact Information

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## Professional Experience

### Software Developer

Tongji Hospital of Huazhong University of Science and Technology  
Wuhan, Hubei, China  
July 2016 - Present

- Full-stack developer responsible for building APIs, administrative applications, and data-driven applications integrated with hospital systems and third-party healthcare platforms.  
- Responsible for maintaining and optimizing electronic medical record (EMR) systems, including demand analysis and system enhancement.  
- Led technical initiatives to improve hospital information systems in alignment with national evaluation standards.

### Software Developer Intern

China Southern Asset Management Co., Ltd.  
Shenzhen, Guangdong, China  
July 2015 - August 2015

- Built an API management system under IT mentorship, using Spring Web MVC, Hibernate, and Hadoop for the backend, and Bootstrap with jQuery for the frontend.

### Test Engineer

Wuhan Rural Commercial Bank  
Wuhan, Hubei, China  
September 2013 - August 2014

- Conducted performance tests on banking information systems  
- Wrote comprehensive test reports

## Education

Master of Engineering - Computer Technology  
Wuhan University  
Wuhan, Hubei, China  
September 2014 - June 2016

Bachelor of Engineering - Computer Science and Technology  
Wuhan University  
Wuhan, Hubei, China  
September 2009 - June 2013

## Key Projects

### Tongji HIS Helper Platform (2024)

Full-Stack Developer – Computer Center, Tongji Hospital of Huazhong University of Science and Technology

- Engineered Node.js/Express services bridging multiple Oracle HIS databases, unifying patient, orders, labs, and pharmacy data into REST APIs that drive Vue/Quasar dashboards for clinical, pharmacy, and medical-affairs teams.  
- Implemented JWT-based role controls, operational logging, SMS/QR utilities, and admin tooling for user, report, and specialty-department management, tightening governance across cross-department workflows.

### Hospital Report Upload Platform (2019)

Full-Stack Developer – Computer Center, Tongji Hospital of Huazhong University of Science and Technology

- Delivered Node.js services that query dual Oracle HIS/Medical Report systems, validate CAS logins, and orchestrate XML-based report uploads/cancellations to the hospital Medical Report System gateway with PDF/image merging and audit logging.  
- Built a Vue 3 + Element Plus workstation letting technologists filter patient orders, preview histories, and generate templated PDFs via an in-browser editor that autofills results, embeds lab imagery, and streams uploads with delegated credential checks.

### Outpatient MRCP Data Collection Platform (2024)

Full-stack Developer - Computer Center, Tongji Hospital of Huazhong University of Science and Technology

- Engineered a Node.js/Express service that pulls outpatient visits from Oracle HIS, normalizes them into MongoDB MRCP(Medical Record Cover Page) records with cron-triggered batching, WebSocket progress feeds, PDF/Excel exports, and JWT/Bcrypt-based role security.  
- Delivered a Vue 3 + Quasar SPA that lets coders run batch or single-record collection, edit MRCP front pages with rule-driven validation, and monitor quality dashboards spanning visit statistics, indicator performance, and data governance tools.

### Nursing Unit Nursing Grading Management System (2024)

Full-stack Developer - Computer Center, Tongji Hospital of Huazhong University of Science and Technology

- Engineered a JWT-secured Express/Oracle API that pools HIS data, manages nursing units, procedures, workload overrides, and rule configurations, and applies transaction-safe merges plus pagination/validation utilities.  
- Built the Vue 3 + Element Plus operations console with tabbed workflow, remote lookup components, and embedded HIS reports so administrators can maintain unit-to-HIS mappings and trigger automated workload regeneration.

### Hospital Information System Evaluation Projects (2020-2022)

Project Manager - Computer Center & Institute of Information Medicine, Huazhong University of Science and Technology

- Interpreted national evaluation standards and led technical teams for multiple hospital information system certifications  
- Improved electronic medical record systems, hospital information systems, and inter-hospital communication platforms to meet high-level requirements and rating standards

### 'Baidu Unlimited' Information Search Competition Website (2015)

Backend Developer - 'Baidu Unlimited' National University Information Search Competition

- Built online test system with random question selection from Baidu's question bank

### Evaluation System for Undergraduate Teaching Work (2014-2015)

Backend Developer - Wuhan University

- Developed system to display and manage university's undergraduate teaching evaluation information  
- Generated evaluation reports for Ministry of Education assessment

### Hospital Wireless Calling System (2013)

Backend Developer - Shiyan Taihe Hospital

- Developed calling system with one PC host and multiple Android terminals  
- Enabled patient queries and hospital communication through Android tablets  
- Implemented multimedia messaging for hospital reminders and promotions

## Technical Skills

- Web Development: Full-stack experience  
- Languages: Node.js, SQL  
- Databases: Oracle, NoSQL  
- Frontend: Vue.js  
- Reporting & Analytics Tools: FineReport development

## Languages

- Chinese: Native  
- English: Proficient (IELTS Academic 7.5, Duolingo 145)  
- Japanese: Proficient (JLPT N1)

## Awards & Certifications

### Other Certifications

- 2022: Second-level Construction Engineer Qualification  
- 2014: Banking Qualification Certificate

### University Awards

- 2015: Wuhan University Master's Degree Scholarship - Second-class Academic Scholarship  
- 2014: Wuhan University Master's Degree Scholarship - First-class Academic Scholarship  
- 2010: National College English Contest Second Prize