

Resume - Solutions Engineer

Yiru Ma / Female / April 1997

University of Manchester, UK / GIS

▪ 2020.09-2021.12 / Master

Xinjiang University / Remote Sensing Science and Technology

▪ 2015.09-2019.06 / Bachelor / GPA(3.3/4.0)

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Work Experience

Shanghai Huwan Intelligent Technology Co., Ltd. (Nov 2023 - Aug 2024)

Product Design Software Solutions Requirements Analysis Project Initiation Proposal Writing
Business Framework Flowchart

- Project Management Team
 - Designed and implemented IoT and software solutions, successfully driving the initiation of 2 key projects, improving client business process efficiency by 30%.
 - Conducted requirement analysis, visited clients to identify and resolve 5 major pain points, assisting the development team in drafting solutions to ensure effective project requirements implementation.
 - Developed project solutions, created presentations, facilitated project collaboration, ensuring feasibility and comprehensiveness of project construction, achieving a client satisfaction rate of 95%.
 - Collaborated with the backend team to establish a business framework, clarified technical specifications, ensured effective requirement implementation, and reduced development cycles by 20%.
 - Designed system prototypes, simulated client usage scenarios, and presented solutions through flowcharts and mind maps to enhance client understanding.

Suzhou Surveying and Mapping Geographic Information Co., Ltd. (Jun 2022 - Sep 2023)

Project Management Requirements Analysis Project Implementation Architecture Analysis
Team Collaboration Blueprint Design Front-end Development WEBGIS

- Project Manager Assistant & Frontend Development Engineer
 - Participated in requirement analysis, accurately mapped business processes, identified pain points, and assisted the business and development teams in architecture analysis and blueprint creation, increasing project success rates by 40%.
 - Developed project implementation plans, created presentations, facilitated project collaboration, ensuring feasibility and implementation plans, successfully delivering 3 projects.
 - Responsible for frontend project development, ensuring requirement penetration and implementation, enhancing user experience, and reducing user feedback time by 50%.
 - Assisted the project manager in the information construction of Suzhou Industrial Park, participating in the development of digital twin systems and public security systems, improving system stability.

Project Experience

ICIMS Intelligent Hazardous Chemicals Traceability Code and Dynamic In/Out Warehouse Management System (Web / Mini-Program)

Hazardous Materials Traceability Code

Dynamic Inventory Management

Customized Solutions

Multi-Version System Development

WMS Function Design (Warehouse Management System)

Apr 2024 - Aug 2024

Project Description: Developed a warehouse management system for hazardous chemicals production and storage enterprises, meeting the traceability code management and dynamic in/out warehouse requirements issued by the Shanghai Emergency Bureau. This system helps production enterprises apply for traceability codes in bulk, download, manage, and print hazardous chemicals traceability codes, and automatically report hazardous chemicals in/out warehouse activities to the Emergency Bureau.

Project Management,Solution Design

- Designed and implemented the hazardous chemicals traceability code function, ensuring compliance with Shanghai Emergency Bureau regulations, successfully serving 5 enterprises.
- Designed dynamic in/out warehouse management functions to achieve real-time tracking of hazardous chemicals inventory.
- Developed dynamic in/out warehouse management functions, reducing inventory error rates by 30%.
- Provided 4 customized system solutions to meet different client needs, increasing client satisfaction to 90%.
- Based on WMS functional templates, successfully delivered 3 versions to cover the needs of enterprises of different sizes.

Hazardous Chemicals Inventory Management System (Web / Mini-Program)

Supply Chain Management

Product Design

Requirements Research

Information Management

Third-Party Integration

2Apr 2024 - Aug 2024

Project Description: To support the company in building a complete supply chain business scenario for the hazardous chemicals industry, a lightweight inventory management system was initially developed for small hazardous chemicals enterprises, focusing on procurement, sales, warehouse distribution, overall inventory management, enterprise data statistics, compliance, and safety management.

Project Management,Solution Design

- Designed and managed modules for procurement, sales, and inventory, improving operational efficiency for small hazardous chemicals enterprises by 20%.
- Responsible for product design and development of functional modules from scratch, ensuring no major faults after system launch.
- Gained in-depth understanding of client needs, providing information management solutions that reduced manual operation time by 40%.
- Coordinated with external carriers to ensure timely delivery of goods, increasing client satisfaction to 95%.

Hazardous Chemicals Warehouse Appointment System (Web / Mini-Program)

On-Site Research

Delivery/Pickup Appointment System

Business Process Optimization

Vehicle Queue Calling System

General Solutions

Apr 2024 - Aug 2024

Project Description: Developed a digital system for a third-party hazardous chemicals storage company in Shanghai, managing the entire process of appointment for delivery/pickup and vehicle entry for on-site operations.

Project Management, Solution Design

- Conducted on-site research to gain insights into client operational scenarios, identifying and optimizing 5 major pain points.
- Designed and developed a delivery/pickup appointment system, improving operational efficiency by 30% and reducing communication costs by 50%.
- Produced business process diagrams to support client training on system usage, achieving a training satisfaction rate of 90%.
- Optimized vehicle queuing and appointment scheduling functions, enhancing warehouse operational efficiency.

Intelligent Scheduling and Full Process Control System for Hazardous Chemicals Operations (Web / Mini-Program)

On-Site Research

Business Process Analysis

Requirements Analysis

Visual Design

Solution Preparation

Nov 2023 - Jan 2024

Project Description: A hazardous chemicals storage company faced challenges due to the upper management's push for an employee attendance system, which made the existing assessment model inadequate. Coupled with a fragmented system, poor information flow, and low operational efficiency, the company decided to build a comprehensive digital operation management system.

Project Management, Solution Development

- Conducted on-site research to document existing issues and gather client requirements, ensuring the system design aligns with actual operations.
- Developed requirement analyses for operation process control, tank rental rates, parking, and barge management, enhancing system usability.
- Coordinated with UI personnel to create a visual dashboard, receiving high recognition from clients and improving client satisfaction.
- Compiled a PPT version of the solution to provide templates for other project teams, enhancing team collaboration efficiency.

Suzhou Industrial Park Vision Platform (Web)

Requirements Analysis

Feature Development

WEBGIS

Video Quality Assessment

Multi-Platform Integration

Jun 2022 - Sep 2023

Project Description: Collaborated with the Suzhou Industrial Park Bureau to address issues of resource waste and blind spots caused by unreasonable early monitoring network planning. Built the Vision Platform to replan monitoring resources and simulate the filling of blind spots, providing supporting materials for future monitoring upgrades.

Project Management, Frontend Development

- Engaged in in-depth discussions with the technical department to clarify industry technical characteristics and organized requirement review meetings to ensure functional goals were met.

- Developed basic map functions, personnel path tracking, and visible area monitoring, increasing monitoring resource utilization by 30%.
- Implemented features such as locking historical monitoring recordings and fast playback, achieving an 85% user satisfaction rate.
- Successfully integrated with the digital platform, collaborating with partners to implement video monitoring functions, enhancing system stability.

Skills

- **Office Skills**
 - **Language Proficiency** : IELTS 7.0, CET-6, Mandarin Level 2 A, with strong writing and reporting skills.
 - **Office Software** : Proficient in Microsoft Office (Word, Excel, PowerPoint), skilled in data visualization and professional reporting.
 - **Project Management Tools** : Familiar with using ZenTao, X-Mind, Axure, MockingBot, and Lanhu to enhance project management efficiency.
 - **Collaboration Tools** : Proficient in using AI collaboration tools to improve team productivity.
- **Development Skills**
 - **Frontend Development** : Proficient in HTML5, CSS3, with experience in large project development using Vue2 and Element UI.
 - **Map Development** : Skilled in MapBox, MapGIS, ArcGIS, and their APIs, with extensive experience in map application development.
 - **Version Control** : Familiar with using Git for team collaboration, ensuring efficient code management.
 - **Design Tools** : Basic knowledge of Photoshop, capable of simple graphic design and interface optimization.
- **Project Management Skills**
 - **Requirement Analysis** : Skilled in conducting requirement research and analysis, able to accurately identify client pain points and provide solutions.
 - **Team Collaboration** : Strong teamwork abilities, capable of effectively coordinating resources to drive project progress.
 - **Solution Writing** : Proficient in drafting project proposals and technical documents, ensuring clear communication of project objectives.