Xiangjun **Ju**

958#, XinSong RD, Minhang District, Shanghai

186-0160-3063 | xiangjun.ju@gmail.com | https://github.com/xju3

"Alone we can do so little; together we can do so much."

Sum**mary**

With more than 20 years of software development experience, I have worked on e-commerce, live streaming platforms, industrial automation software, and IoT projects. Proficient in microservices, distributed systems, and domain-driven design (DDD), front-end frameworks. Experienced with Docker, Linux.

Ski**ll Sets**

Coding	Masterful in **Java**, **C#**, **Kotlin**, **Flutter**, **JS/TS**, also experienced with OC/Swift **Python**, Lua etc.
Algorithms	Sorting,Searching,Graph,Backtracking,Divide-and-Conquer,Greedy, **Monotonic Stack**,**Slide Windows**, **DP**, etc.
Front End	Element UI, **AntDesign Vue**, AntDesign React
Back End	Spring Boot, Spring Cloud, **MicroServices**, **DDD|TDD|BDD**, Dubbo, Message Queue, etc
Mobile	**Flutter**, **Kotlin	Java**, OC
DevOps	Shell Scripts, **Performance Monitoring**, **Cyber Security**, Load Balancing, Versioning, CI/CD, Docker Container
Business	Good slides preparation and presentation, strong in technical communication and writings.
Language	Native speaker of Mandarin, fluent in English.

Wor**k Experience**

Aeon Cloud   *Shanghai, China*
PROJECT MANAGER   *May. 2021 - Present*

- Conducted feasibility analysis with customers and managed requirements.
- Organized regular meetings with customers to address development issues.
- Managed project schedules and risks.
- Constructed application infrastructure including web (Ant Design Vue), server (microservices), and mobile (Flutter).
- Designed relational database tables derived from business domain transitions
- Participated in coding and testing
- Documented software development activities, API interface, and test cases

Yinma Technology   *Shanghai, China*
SENIOR PROJECT MANAGER   *Sep.2019 - Mar.2021*

- Led software development team to accomplish the company missions.
- Defined KPIs for the development team and conducted assessments.
- Oversaw the development of a dental clinic information system.
- Defined and refined requirements with the product department.
- Reviewed and optimized code, seeking better solutions with team members
- Guided team members to achieve their goals

Yizit   *Shanghai, PRC*
SENIOR SOFTWARE ENGINEER & CONSULTANT   *Jul. 2016 – Sep. 2019*

- **Configure local networking environment**:
  - Configured Cisco switch for isolating network environments of different departments
  - Configured IPtables to setup firewall policies
  - Configured a proxy to transfer network packages
  - Utilized Sniffer for TCP/IP protocol programming
- As a senior software engineer.
  - Led the development of multiple projects for the automobile industry, such as MES, WMS, MRO, ANDON, APS.
  - Continuous software integration & release and drove software development activities to guarantee project moving forward smoothly.
  - Delved into code to drive critical issue debugging and improved system stability and performance to meet complex user's environment.
  - Established software configuration and maintenance flows, project management systems, and issue tracking systems.
- As a software development consultant.
  - Provided the suggestions on the feasibility for projects in demonstration phase
  - Evaluated software architecture for functionality, performance, maintainability, security, cost, and compliance.
  - Solved severe problems in delivered software projects

Pro**jects**

MES
YIZIT, Shanghai

CHRYSLER(DETROIT) MES⊠SHANGHAI HUIZHONG MES⊠ HAIR MES⊠ NANJING HUIZHONG MES · *Jan 1 2001 - MAY 1, 2021*

- *Key Contributes*:
  - Led the implementation and optimization of MES systems in various automotive factories, ensuring that functionalities in production planning, workshop execution, and quality control aligned with customer requirements.
  - Conduct requirement analysis with customers and design suitable MES solutions, including production tracking, quality management and production line monitoring modules
  - Work with cross-functional teams to ensure seamless integration with ERP, PLC, SCADA and other systems
  - schedule and implement project plans, complete tasks at each stage on time, and gain high recognition from customers
- *Challenges and Solutions*:
  Integrating MES with Legacy ERP and PLC Systems in an Automotive Manufacturing Plant: Conducted a thorough system audit and collaborated with the IT and engineering teams to develop a custom middleware. This facilitated smooth data exchange between the MES and legacy systems, enabling real-time tracking and minimizing data discrepancies across production and inventory modules.
  Ensuring Data Accuracy and Real-Time Production Monitoring: Implemented automated data validation protocols and established a real-time monitoring dashboard for critical production metrics. Worked with production teams to ensure timely updates, reducing data discrepancies by 20% and enhancing decision-making speed.
  Minimizing Production Downtime during MES Deployment: Designed a phased rollout approach, prioritizing low-impact areas first and adjusting the schedule based on initial feedback. This minimized disruptions and allowed for a smoother transition, ensuring production output remained unaffected.
  Training Plant Personnel on New MES Functions: Developed a tailored training program that combined workshops and hands-on practice sessions. Created a help desk for ongoing support post-deployment, which improved system adoption rates and reduced support requests by 30%.
- *Results and Impacts*
  - Improved production efficiency and transparency of the production process
  - Equipment status monitoring, maintenance reminders and other functions reduce equipment downtime
  - Provides transparent production monitoring to customers

Residential Community Information Platform
Aeon Cloud, Shanghai, China

BUILD A BUSINESS PLATFORM BETWEEN MERCHANTS AND RESIDENTS WITHIN A COMMUNITY. · *Apr.2021 - Oct.2022*

- *Key Contributes*:
  - Defined business entities and aggregate boundaries, designed coding pedestal, installed and maintained infrastructure applications
- *Challenges and Solutions*:
  - Ensured system fault tolerance and consistency using CP in the CAP theorem and utilized a business cluster strategy for availability.
  - Resolved distributed transaction consistency with Apache Seata.
  - API response time is within 100 milliseconds.
- *Results and Impacts*:
  - Helped users find lost pets and reduced waste of idle items
- *Technologies Used*:
  - Components:Spring Boot, Spring Cloud, Mybatis, Shiro, AxonFramework(**DDD**), Restfull, MVC, Log4j, jackson, lombok, OpenApi
  - Microservices: **Service Discovery**: Nacos/ZooKeeper/Eureka/Apollo, **Config Server**: Spring Cloud Vault, Spring Cloud Config, Nacos, **Api Gateway**: OpenFeign **Distribution Tracing**: Spring Cloud Sleuth/Zipkin, **Circuit Breakers**: Hystrix, Sentinel
  - DDD: AxonFramework
  - Infrastructures: RabbitMQ, Minio, Zookeeper, Redis Server, Jekinks, MySQL, Docker&Docker Compose, Vault/Nacos

Dentist information system(DCIS)
Yinma, Shanghai, China

A COMPREHENSIVE PLATFORM FOR STREAMLINING THE MANAGEMENT AND OPERATIONAL PROCESSES OF DENTAL CLINICS · *Jan.2023 - June.2023*

- *Key Contributes*:
  - Participated in the definition of all business work processes.
  - Orchestrated all business flowcharts and nodes using camunda-modeler
  - Designed the common framework of the program based on workflow processing within Camunda
- *Challenges and Solutions*:
  - In order to facilitate the development based on the Camunda workflow engine, a new architecture needs to be designed
- *Results and Impacts*:
  - Saved about 30% of the time from appointment to consultation.
  - Patients can check the doctor's orders on the APP and confirm the execution status of each item in the order.
- *Technologies Used*: Camunda, xxl-job, Spring Boot,

Disney Water Treatemnt Plant Information System (WTPIS) *Aeon Cloud, Shanghai, China*
BUILD A SOFTWARE INFRASTRUCTURE FOR MAINTAINING THE WTPIS *SEP.2023 - June.2024*

- *Key Contributes*:
  -Developed RESTful APIs with C# to manage device listings, user authentication, and work order processing and so on.
  -Integrated MySQL for efficient data storage and retrieval, optimizing database queries for better performance
  -Designed and implemented the front-end using AntDesign Vue, ensuring a responsive and user-friendly interface.
- *Challenges and Solutions*:
  -Faced performance issues with database queries and resolved them by indexing key fields and optimizing query logic
- *Results and Impacts*:
  -Successfully launched the application
  -The response time of problem handling was reduced by 20% within the first three months.
- *Technologies Used*:
  -Server: MySQL, Linq, MongoDB, MVC, Autofac, Castle, Quartz, Minio, Redis, Mongo, Log4Net etc.
  -Web: AntDesign Vue, Node.js, socket.io-client, pdf, i18n, echarts, axios etc.
  -Flutter:bloc, cached_network_image, video_player, cached_pdf_view, loading_indicator, intl, etc.
  -Documentation: OpenApi

Education

Nanjing University *Nanjing, China*
ASSOCIATE DEGREE IN COMPUTER INFORMATION SYSTEM *Sep, 1996 – June, 1999*

- Mainly focus on Program Language, Relational Database, Software Engineering, Requirements Analysis, Information System Design

Training

Berkeley City College *San Francisco, US*
ESL SPEAKING & LISTENING LEVEL 3 *Aug. 2024 - Dec. 2024*

- improved the skills of English speaking and listening.