

Xiaorui Wang

Software Engineer | Frontend & Backend & Mobile developer & Full-Stack

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Education

Master of Science in Informatics | 02/2024 - Today
[USI - Università della Svizzera italiana](#) | Lugano, Switzerland

Bachelor of Computer Science | 09/2011 - 07/2015
[Henan Polytechnic University](#) | Jiaozuo, China

Work Experience

[JD.com](#) | Senior Software Engineer | Shanghai, China | 10/2020 - 07/2023

A leading global e-commerce and supply chain technology company.

- Promoted to P7 from P6 within 2 years for architecting and leading the development of [JDHybrid](#), a high-performance mobile web container serving 100M+ daily page views across 100+ business teams.
- Designed the [JDHybrid](#) architecture with a tech stack covering mobile (iOS & Android), frontend (React & Node.js), and backend (Java).
- Spearheaded iOS team innovation, implementing an offline-first solution that reduced page load time by 30% and decreased error rates by 92%, significantly improving user experience.

[ZTO Express](#) | Software Engineer | Shanghai, China | 07/2017 - 10/2020

A leading express delivery company in China and one of the largest express delivery companies globally.

- Achieved rapid career advancement with two promotions for successfully developing and launching the Tu Xi Express Supermarket iOS app, demonstrating exceptional technical leadership.
- Led complete app modernization using Swift, resulting in 60% performance improvement and 80% crash rate reduction through advanced architecture and optimization techniques.
- Pioneered cross-platform development strategy using Flutter, optimizing development efficiency and maintaining consistent user experience across iOS and Android platforms.

Projects & Open Source

[TODO-Calendar](#) 🔗

A clean, minimalist task management calendar application with OAuth2 authentication, built with JavaScript/TypeScript/React/Redux frontend and Java/Spring Boot/MySQL backend. Features real-time updates, responsive design, and JWT-based security. Deployed with Docker and Nginx reverse proxy at todocalendar.live.

[DApp](#) 🔗

A decentralized auction web app, it involves block chain technology(Smart contract) and frontend(React), backend(Node), database(Mysql).

[StepApp](#) 🔗

A smart running app for Android, developed in Java, supporting route recording and tracking, along with training plan generation powered by LLM.

[WCache](#) 🔗

A high-performance, thread-safe, and lightweight iOS caching library implemented in C++, supporting both memory and disk caching.

Technical Skills

Programming Languages: Java, TypeScript/Javascript, Swift, Objective-C, C/C++, Python

Frontend: React, Redux, Tailwind CSS, Flutter

Backend: Spring Boot, Node.js, MySQL, RESTful APIs

Mobile Development: iOS (Swift/Objective-C), Android, Flutter, React Native

DevOps & Tools: Docker, Nginx, Git, OAuth2, JWT, CI/CD

Languages Skills

English: Fluent

Chinese: Native