Richard Xiong Jun Wei

Software Engineer · Technical Lead, AI & Platforms

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EDUCATION

Imperial College London
MEng Computing (Artificial Intelligence & Machine Learning)
First Class Honours · Dean's List
2018 – 2022 · London
Public Service Commission Scholarship (Engineering)

Stanford University
Summer Session
2019 · California

AWARDS

2026 1st place, Singapore Defence Tech Hackathon

2025 1st place, SingHacks Julius Baer challenge

2025 AWS Certified Solutions Architect – Professional

2024 Winner, Build for Good Open Government Products

2021 1st place, Theta Network Hackathon

SKILLS

AI ENGINEERING
Multi-agent systems · MCP · Context engineering · Agentic coding

ARCHITECTURE
Config-driven platforms · Workflow engines · API-first · Domain modelling

PRODUCT & LEADERSHIP
Rapid experiments · Squad leadership · Stakeholders

STACK
TypeScript · Python · Next.js · Postgres · Azure · AWS

BEYOND WORK

- Young Singaporeans Conference 2026, Institute of Policy Studies
- JTC Corporate Social Responsibility subcommittee
- Charity Bazaar donation app
- Digital skills tutor for seniors
- Overwatch Head of Games, Imperial eSports

EXPERIENCE

JTC Corporation
Mar 2024 – Present

Assistant Manager, Software Engineering Department · Singapore

- Proposed and lead **CAPRI**, JTC's **first in-house lease platform**, moving **80+ processes** off a legacy on-prem system onto Azure.
- Designed a **configuration-driven data model** and rules and workflow engines: new processes and approval steps need **no code**, with **up to 90% fewer tables**.
- Defined **JTC's agentic AI strategy** and orchestration layer, projected to save **110,000 man-hours a year**.
- Led **4 AI squads** building JTC's Digibot and Policy, Data and Letter Generation agents.
- Proposed JTC's **platform approach** after Autodesk University 2026: a **JTC-owned data core**, vendor systems connecting into it, and **open APIs and MCP** required.

Qube Research & Technologies
Apr – Sep 2021

Quantitative Technologist · London

- Built a **server–worker benchmarking harness** to run and record benchmarks.
- Built a **C++ monitor** tracking **cache usage and misses** per core and process.
- Worked with trading developers to **improve low-latency performance**.

PROJECTS

EBI
Co-founder · IN CLINICAL STUDY · ebi.sg · 2024 – Present

- Co-founded EBI to close the **data and support gap between consultations**: patients check in and journal daily, doctors see the whole picture.
- Built **structured pre-visit summaries** clinicians read in three minutes: symptom trends, changes from baseline and the patient's own questions.
- Grew it from a 2024 hackathon prototype: **won OGP's Build for Good**, joined its accelerator and was featured in **The Straits Times**.
- Running clinical studies with **Tan Tock Seng Hospital** and **Woodlands Health**; presented at the **Singapore Health & Biomedical Congress 2026**.

NeuroMech
1ST PLACE · SG DEFENCE TECH HACKATHON · neuromech.xiong.sh · 2026

- Built the **real-time orchestration and communication layer** of a **brain–computer interface** that turns a person's brain signals into robot commands.
- Frees up soldiers to **operate robots continuously** in an urban operations context while in battle, **without needing to put down their weapons**.

Codor
★ 275 ON GITHUB · codor.app · 2026

- Built an **open-source, privacy-first 'Slack'** where people and coding agents (Claude Code, Codex) talk to each other; **275 GitHub stars** and counting.

Metapass
metapass.world · 2021 – 2022

- Built NFT ticketing that keeps out scalpers and fakes, from TKETS (1st place, Theta Hackathon 2021): **$145K+ in sales** and **3,500+ tickets** on-chain.

Kue
kue.xiong.sh · 2026

- Built an **MCP-native app** inside ChatGPT/Claude, **no sign-up or setup**, to create and host **beautiful animated slides** + link your phone as a **live remote**.

Agentfly
agentfly.me · 2026

- Built a **link in bio** that answers your questions, books meetings and takes deposits while you're away, **permissioned by who's asking**.

References available upon request.