

About me

Gender: Male

Age: 30

Hometown: Wuhan, Hubei

Education: Bachelor’s Degree

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Work Location: Wuhan

Job: Android Developer, Flutter Developer, Client-side Developer



Professional Skills

- [1] Proficient in **Java, Kotlin, and Dart**, with deep expertise in object-oriented programming (OOP), collections framework, exception handling, socket programming, and multithreading. Strong coding skills with best practices.
- [2] Solid knowledge of **data structures, algorithms, network protocols**, and common **design patterns**.
- [3] Experienced in **Android SDK** and various frameworks, with expertise in **MVVM architecture** and **Hybrid App development**.
- [4] Strong grasp of the **Android toolchain**, capable of handling **project creation, coding, debugging, optimization, build configuration, and release management**. Proficient in **Gradle** for dependency management and build customization.
- [5] Deep understanding of **Android core mechanisms**, such as message handling, View event dispatching, and memory management, with a strong focus on performance optimization.
- [6] Hands-on experience in **memory leak detection and OOM handling**, and familiar with **Android performance tuning techniques**.
- [7] Familiar with **client-side development workflows**, contributing to multiple project iterations and leading development efforts efficiently.
- [8] Experienced in **UI automation testing, continuous integration (CI), and continuous delivery (CD)** to ensure high-quality and efficient product releases.
- [9] Self-sufficient in researching **GitHub, JDK, and Android SDK documentation** for troubleshooting and learning.
- [10] Strong **Linux foundation**, with scripting skills to automate development processes.
- [11] Extensive experience in **IoT, FinTech, Automotive, and SaaS** industries, contributing to various cross-industry development projects.

Employment history

Year	Company	Job function
2023-2025	Wuhan TuAo Information Technology Co.Ltd	Android Developer
2019-2022	Choicewell	Android Developer, Flutter Developer
2015-2019	Lancai Information Technology Co.Ltd	Android Developer

Project Catalog

Voyah vLink (2024.2 - 2024.8)

- Played a key role in developing the **H53B Rear Seat Entertainment System (RSE)**, handling multimedia controls, car system integration, and initialization.
- Designed and implemented **communication protocols** between the **Control Unit and IVI** to ensure seamless system operations.
- Utilized **Wi-Fi Direct and WebSocket** technologies to enable real-time device communication, enhancing overall system architecture and user experience.

Nissan VoiceAdapter (2024.7 - 2025.2)

- Adapted the **Nissan Intelligent Voice System**, designing and implementing **service architecture** and **communication protocols** for high-efficiency voice command execution.
- Integrated with **in-car hardware**, improving **response time** and **speech recognition accuracy**.
- Enhanced system stability and ensured **compatibility across different Nissan models**.

Voyah APP (2023.3 - 2024.8)

- Designed and developed the **E-commerce module**, enabling **product browsing, SKU management, shopping cart, payments, and installment plans** for an optimized user purchasing experience.
- Led the development of the **Custom Order module**, addressing **vehicle customization and accessory purchases**, which significantly improved **business conversion rates**.
- Optimized the **product listing and order placement pages**, reducing UI lag, refining cache mechanisms, and improving **app startup speed** to enhance user experience.

**** M Hero APP (2023.3 - 2023.12)****

- Contributed to the development of features such as **vehicle information management, remote control, and owner services**.
- Developed the **service appointment system**, allowing users to **schedule maintenance and repairs**, with integrated **workflow management and appointment reminders**.
- **Optimized memory management and performance**, effectively preventing system crashes and lag, ensuring a **smooth user experience**.

MushiPad CommonService (2021.3 - 2022.11)

- Developed a **cross-process logging system** using **IPC mechanisms**.
- Implemented a **script-based update system**, simplifying **silent app installation, upgrades, and device management**.
- Created remote device management functionalities such as **app installation, updates, restarts, screenshot reporting, and system status monitoring**.

Mushi meeting (2019.9 - 2022.11)

- Developed **both native and Flutter versions** of a meeting management tool, leveraging **MVVM architecture** for better logic separation.
- Optimized **timezone handling and asynchronous task management**, improving scheduling efficiency and system responsiveness.
- Implemented **multi-language support** and a **dynamic theme switching system** to meet international requirements.

Mushi smart controller (2019.9 - 2022.11)

- Used **WebSocket and MQTT** for **real-time data updates and multi-device interactions**.
- Integrated **WebRTC** for **Zoom support**, enabling **one-click meeting initiation**.
- Designed a **secure WebSocket heartbeat mechanism** and a **cookie-based session management system**, enhancing **security and stability**.

Mushi guider (2020.12 - 2022.11)

- Built a **reactive UI** using **GetX**, featuring **route management and theme customization** for a seamless user experience.
- Developed **facial recognition and badge printing** functionalities, improving security and visitor flow efficiency.
- Integrated **mDNS** for **local network device discovery**.

LanCai APP (2015 - 2019.8)

- Developed key modules including **asset management, personal center, and user authentication** for a **seamless financial experience**.
- Designed **data visualization components**, offering **personalized asset analytics**.
- Engineered a **Web-to-App communication protocol**, enhancing **data transmission efficiency and security**.

Personal Strengths

- **Technically Proficient:** Extensive **hands-on experience** in **Android and Flutter development**, strong coding fundamentals, and **expertise in architecture design**.
- **Resilient & Adaptive:** Thrives in **high-pressure environments**, quickly adapts to **new challenges**, and seamlessly integrates into **teamwork dynamics**.
- **Quick Learner:** Passionate about **programming and technology**, possesses **strong problem-solving skills**, and continuously enhances expertise by following **industry trends**.
- **Disciplined & Team-Oriented:** Maintains **high professional integrity**, prioritizes **team collaboration**, and excels in **cross-functional communication**, ensuring **efficient project execution**.



By David Chen