

# Zhou Xiangcheng - React Native Development Engineer

## Basic Information

Name: Zhou Xiangcheng | Education: Full-time Bachelor's Degree

Gender: Male | Major: Electronic Information Engineering

Date of Birth: 1987/11/07 | Graduated From: Huanghuai University

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## Job Intentions

Employment Type: Full-time | Expected Position: Cross-platform, Mobile, Mini Program, Java, etc.

Work Location: Beijing | Expected Salary: 15-30K

## Work Experience

2013/06 --- 2014/06 Quanta Shanghai Manufacturing City Test Assistant Engineer

2015/04 --- 2015/10 LeYiKao (Beijing) Education Technology Co., Ltd. Android Development Engineer

2015/10 --- 2016/07 Time Zhe Internet Technology (Beijing) Co., Ltd. Android Development Engineer

2016/07 --- 2018/06 Tibet Yuanyu (Beijing) Network Technology Co., Ltd. Android Development Engineer

2018/07 --- 2022/04 China Aerospace Science and Technology (Beijing) Co., Ltd. Full Stack Development Engineer

2022/06 --- 2024/12 BeiSi ChangXiang Technology Co., Ltd. Full Stack Development Engineer

## My Advantages

1. Familiar with native mobile client development: HarmonyOS, Android, iOS
2. With cross-platform practical experience: Flutter, ReactNative, KMP, Tora, etc.
3. Mastery of mini program development: WeChat Mini Program, uni-app
4. Familiar with Web frontend: Frameworks (react/vue), UI libraries (element/Ant Design, etc.)
5. Experience in AI development: Development (tensorflow/ML Kit/Gemini), Tools (Cursor/Codex, etc.)
6. Development experience: WinForm desktop development, Java development (mybatis + microservices + distributed)
7. Github and complete resume: <https://pgzxc.github.io/resume/>

## Professional Skills

1. Familiar with frontend basics: html/css/js, es6, ts/jsx, react, vue, etc.
2. Familiar with RN basics: function/class components, Props/State, component encapsulation, Hooks, lifecycle
3. Familiar with RN state management: Redux, MobX, Zustand, Recoil, etc.
4. Familiar with RN data storage: AsyncStorage, MMKV, Realm, SQLite, WatermelonDB
5. Understanding of RN rendering principles: virtual DOM diff

Algorithm, Yoga layout engine, Bridge communication mechanism and new architecture

6. Familiar with RN component communication: parent to child (Props), child to parent (callback functions), cross-level (state management)
7. Familiar with common RN libraries: UI libraries (NativeBase/RN Elements), cross-platform UI (Ant Design)
8. Understanding of native extension and communication capabilities: native access (bluetooth/location/push), native communication (TurboModules/JSI)

### **Company and Work Content**

#### **2022/06 --- 2024/12 BeiSi ChangXiang Technology Co., Ltd. Full Stack Development Engineer**

**Industry Category:** Technology Promotion and Application Service Industry | **Enterprise**

**Nature:** Limited Liability Company (Wholly-owned by Legal Person) | **Scale:** Less than 100 people

**Company Introduction:** BeiSi ChangXiang Technology Co., Ltd., headquartered in Changping District, Beijing, is founded by multiple serial entrepreneurs with years of entrepreneurial experience in different industries and fields. It is a platform focused on sharing entrepreneurial knowledge, dedicated to providing entrepreneurs with necessary knowledge for entrepreneurship and high-quality entrepreneurial projects, enabling entrepreneurs to have a new understanding of entrepreneurship, providing paid services such as project special issue production, project information push, business plan writing for entrepreneurs, and through feasible and executable entrepreneurial projects, truly creating income and more easily realizing entrepreneurial dreams.

#### **Work Description:**

1. Responsible for developing the "La Liga+" football live streaming league project signed by the company with Liuxian Media Technology (Beijing) Co., Ltd.
2. Responsible for product requirement analysis, function development, performance optimization, packaging and release, and version iteration
3. Cooperate with product managers and testers to ensure product quality and on-time launch
4. Continuously optimize and improve client products based on user feedback

#### **2018/07 --- 2022/04 China Aerospace Science and Technology (Beijing) Co., Ltd. Full Stack Development Engineer**

**Industry Category:** Information Transmission, Software and Information Technology Service Industry | **Enterprise Nature:** Limited Liability Company (Invested and Controlled by Natural Persons) | **Scale:** Less than 100 people

**Company Introduction:** China Aerospace Science and Technology (Beijing) Co., Ltd., headquartered in Shangdi International Incubation Park, Haidian District, Beijing, is a professional information consulting, solution and IT service outsourcing provider.

#### **Work Description:**

1. Responsible for the customized R&D work of Hitachi China - R&D Center - Elderly Care Project Team from scratch
2. During project implementation, responsible for pre-research, time estimation and progress promotion of R&D work
3. Docking with other elderly care project products in China and integrating them with Hitachi China - R&D Center - Elderly Care Project Team products
4. During work, responsible for: mobile client, mini program, frontend, backend, C# desktop client and other company projects

#### **2016/07 --- 2018/06 Tibet Yuanyu (Beijing) Network Technology Co., Ltd. Android Development Engineer**

**Industry Category:** Advertising/Public Relations | **Enterprise Nature:** Foreign-owned Enterprise  
| **Scale:** 100-499 people

**Company Introduction:** Tibet Yuanyu (Beijing) Network Technology Co., Ltd. is a media company covering national radio advertising business and contracted radio business, while providing radio advertising services such as strategy formulation, creative copywriting, advertising production, and media buying.

### **Work Description:**

1. Responsible for the functional development of Tingbei FM radio and its sub-album App
2. Lead interns to familiarize with the product's business logic and project code
3. Complete page layout according to UI design drawings
4. Cooperate with backend to complete front-end and back-end data interaction
5. Discuss with product to determine requirements to achieve friendly user experience
6. Team discussion on specific function details, communication with other technical personnel and formulation of design specifications

### **Project Experience**

**Project Belonging:** Personal Project

**Project Name:** SwiperRN (Private)

**Project Address:** <https://github.com/PGzxc/SwiperRN>

**Software Support:** Android+iOS

**Development Tools:** VSCode+Node(25.2.1)+ react-native(0.81.5)+Expo(54)

**Project Description:** SwiperRN is a high-fidelity Douyin + Xiaohongshu cross-platform short video & image-text community application, developed based on React Native + Expo ecosystem, combined with api.apiopen.top free open interface, realizing full-screen video vertical swipe, image note waterfall flow, dynamic publishing, message notification and other complete social experiences. Supports iOS, Android, Web three ends truly write once run everywhere.

**Function Modules:** Home, Image Gallery, Publish, Message, Me

### **Technical Points:**

1. Custom Components: BottomTabBar middle raised button and dynamic scaling effect
2. Network Request: Encapsulate ApiService (fetch/axios) to uniformly manage network requests
3. Routing and Navigation: Based on Expo Router to implement file system routing system
4. Gesture Interaction: React Native Gesture Handler implements swipe switching
5. Animation Effects: React Native Animated and Reanimated high-performance animations
6. Adaptation Scheme: SafeAreaContext and Dimensions API responsive layout
7. Video Playback: expo-av + FlatList implements swipe playback, preload next video
8. Build and Publish: EAS Build multi-environment application packaging and publishing

**Project Belonging:** Personal Project

**Project Name:** WanAndroidRN (Open Source)

**Project Address:** <https://github.com/PGzxc/WanAndroidRN>

**Software Support:** Android+iOS

**Development Tools:** IntelliJ IDEA+react-native(0.72.6)+Node(18.18.2)+Expo(49)

**Project Description:** This project is a React Native open source App built based on the open API of WanAndroid website. With the help of Expo Go development tools, combined with @ant-design/react-native Ant Financial UI library, it realizes cross-platform support for Android and iOS systems, making it convenient for users to access the website.

**Function Modules:** Home, Navigation, Project, Message, Me

**Technical Points:**

1. Use React Navigation to build bottom navigation framework, realizing smooth page switching
2. Adopt Fetch API for network requests, use Promise to simplify asynchronous process
3. Use React Hooks (useEffect + useState) to implement data fetching and state updates
4. Design reusable custom components to improve code maintainability and development efficiency
5. Implement carousel effect based on ant-design/react-native-Carousel
6. Implement tab switching based on ant-design/react-native-Tabs