

Zhou Xiangcheng - Frontend 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

Contact Phone: 15201120927 | Email: developer_zxc@126.com

Job Intentions

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

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

Related Information

Website: <https://pgzxc.github.io>

GitHub: <https://github.com/PGzxc>

CSDN Blog: http://blog.csdn.net/calvin_zhou

Complete Resume: <https://pgzxc.github.io/resume/>

Education Background

2009/9 to 2013/6 Huanghuai University Electronic Information Engineering Full-time Bachelor's Degree

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

Professional Skills

1. Familiar with HTML5 and semanticization: semantic tags, audio/video, Canvas, WebSocket, LocalStorage, etc.
2. Familiar with CSS3 layout and style system: Flex/Grid layout, BFC, positioning mechanism and CSS priority, etc.
3. Familiar with JS core mechanisms: closures, prototype chain, this binding, event model, asynchronous programming
4. Familiar with ES6+ new features and modular system: destructuring assignment, optional chaining, Proxy/Reflect, ESM modularization, etc.

5. Familiar with mainstream frontend frameworks: Vue2/Vue3 reactivity, Hooks principles and Diff algorithm
6. Familiar with frontend engineering and build toolchain: build tools and optimization strategies
7. Understanding of Node.js and full-stack frameworks: backend frameworks (Express, Koa, NestJS, etc.)
8. Possess performance and cutting-edge technology application capabilities: first screen optimization, virtual list, lazy loading, understanding of micro-frontend

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: Hitachi China

Project Name: Hitachi Health Elderly Care System Ver1.0

Software Support: Web

Development Tools: Eclipse+Git

Project Description: This system is a gait analysis POC project, which collects image data of elderly people walking and performing specified movements through camera equipment, combines with motor ability evaluation model, realizes movement visualization display and ability scoring, assists users to understand and improve their own motor functions, and is widely applicable to smart elderly care and rehabilitation assistance scenarios.

Function Modules: Gait Analysis, Movement Analysis, Questionnaire Survey

Responsible Modules: Gait Analysis, Movement Analysis, Questionnaire Survey

Technical Points:

1. Build project overall framework based on LigerUI
2. Execute network requests and front-end and back-end interaction based on jQuery-ajax
3. Draw gait analysis results and historical data charts based on Highcharts
4. Use jQuery components to quickly draw interface based on jQuery-UI
5. Perform form data validation based on jquery-validation
6. Operate Cookie cache data based on jQuery-Cookie
7. Implement serialization and deserialization of network request results based on json2.js-json
8. Solve scrolling event problems based on jquery.scrollstop

Project Belonging: Hitachi China

Project Name: Hitachi Smart Elderly Care Management System Ver2.0

Software Support: Web

Development Tools: IntelliJ+Git

Project Description: Hitachi Smart Elderly Care Management System is a brand-new upgraded version and complete revision of Ver1.0. The system is divided into administrator account and institution account. The administrator account is equivalent to a super user, which can log in to the institution account and is used to manage institutions, manage apps, manage databases, etc. The institution account is used to manage users, training projects, rankings, status preview, data analysis, etc.

Function Modules: Administrator Account, Institution Account

Technical Points:

1. Build project overall framework based on layui mainstream front-end framework
2. Implement responsive layout and icons, styles, components, etc. based on bootstrap
3. Draw test results and statistical analysis based on echarts
4. Execute network requests and front-end and back-end interaction based on jQuery-ajax
5. Generate user QR code based on qrcode
6. Face recognition library developed based on tracking-min.js and face-min.js