

Zhou Xiangcheng - Java 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: Java, Mobile, Cross-platform, Mini Program, etc.

Work Location: Beijing | Expected Salary: 15-25K

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. Proficient in Java basic syntax, collections, multi-threading, reflection and other core technologies
2. Familiar with JVM memory management, garbage collection mechanism and class loading principles
3. Master Spring, Spring Boot, MyBatis and other mainstream development frameworks
4. Skilled in using MySQL, Redis and other databases and caching technologies, with SQL writing and optimization capabilities

5. Understand distributed architecture, master common middleware such as RabbitMQ, Kafka, Nacos, Dubbo, etc.
6. Familiar with network programming, HTTP protocol and concurrent processing, master thread pool, lock mechanism and other concurrent models
7. Skilled in using Git, Maven, IDEA and other development tools, understand Jenkins, Docker and other automated deployment processes
8. Familiar with Junit, Mockito and other unit testing frameworks, understand common Web security (XSS, CSRF, SQL injection) risks

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 R&D Center

Project Name: Hitachi Smart Elderly Care Management System Ver1.0

Running Environment: Capture Camera + Win Storage + Linux POC

Development Tools: Eclipse+Navicat+Tomcat8.5

Project Description: This system is deployed on the Linux platform. Windows + image capture camera form a capture unit, and the Linux Poc system connects multiple capture units. The imaging device collects image information such as the elderly walking and performing specified movements and stores it on the Windows storage server. The Linux POC system receives image data from the Windows platform for analysis and displays the results.

Function Modules: QR Code Check-in, Gait Analysis, Movement Analysis, Questionnaire Survey, etc.

Technical Points:

1. Backend development using MyBatis framework
2. Frontend using LigerUI to build page framework
3. Java executes shell scripts through Runtime.exec to start and end camera capture
4. Shell scripts execute Python programs to control camera programs
5. HightCharts draws gait analysis structure and historical data charts

Project Belonging: Hitachi R&D Center

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

Running Environment: Capture Camera + Win Storage + Linux POC

Development Tools: IntelliJ IDEA+Navicat+Tomcat8.5 +SVN

Project Description: This system is a brand-new upgrade and revision of version Ver1.0. With the increase of elderly care institutions, applications and devices, administrator accounts and institution accounts are newly added. 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 Module, Institution Module

Technical Points:

1. Build project using Spring + SpringMVC + MyBatis
2. Use MyCat distributed database to handle multi-tenant database operations
3. Use Redis to cache some key data information to increase data query efficiency
4. Use Maven for package dependency management
5. Use swagger-ui to automatically generate interface documents