

Jiapeng (Albert) Z.

- SKILLS**
- Java (Spring Boot, Spring Cloud, MyBatis, Hibernate, Netty), JavaScript (CoffeeScript, TypeScript, jQuery, AJAX, Vue.js, React.js, Node.js), Python, C, PHP, Shell
 - ActiveMQ, Kafka, RabbitMQ, AWS, Kubernetes, Docker, Tomcat, Nginx, Zookeeper, Kibana
 - Oracle, MySQL, Sybase, Redis, MongoDB, DynamoDB

PROFESSIONAL EXPERIENCE

Senior Development Manager, Awaken Technologies, Beijing

Aug 2021 – Apr 2022

Tech Stack: Java, Spring Cloud, Spring Boot, Docker, Angular, Oracle, MyBatis, Hibernate, MySQL, Tomcat, Nginx

- Led, built up and support the new technical team during all project periods
 - Built and trained the team since the very beginning stage at high efficiency, by took full lead in allocating and deploying resources, and implemented effective and customized training pattern with regard to team characteristics, e.g. constantly challenging them with solid support, for junior members to fill in roles within one week
 - Mentoring and growing developers on all technology difficulties and controlled whole project code quality, which helped the brand new team to obtain future cooperation opportunities from partner
 - Selected the best software process models for team, broke down Agile User Stories into separate tasks and estimated workload for team
 - Coordinated between teams, organized and allocated resources at each step during development
 - Developed new features under severe shortage of resources, high-intensive workload and very limited development period
- Designed and led development of new Technical Data and Planning Round features of CO2Tool System for Volkswagen as their partner
 - Independently proposed case-by-case solution especially on improving User Stories and extended their business needs with full charge of risk estimation and quotation, which were chosen among three competitors, all during the vacancy of our PO
 - Took lead in collaboration with partners. Optimized code logic and adjusted existing architecture in detail, created document and specified requirements for client PO based on needs
 - Took full responsibility for all technical difficulties, e.g. optimized UI response speed and reduced its read-write operation frequency both to a large extent by redesigned data structure models, refactored Oracle database storage process and cached data into memory
 - Significantly optimized core logic efficiency and enhanced code readability by redesigned all data models related to vehicle technical parameters, refactored relevant data logic, and removed massive redundant fields and temporary tables
- Led development of EXLog System of Volkswagen as their partner
 - Independently proposed highly-focused solution at a high quality, extended requirements and estimated risks for client by analyzing and optimizing existing code logic and data architecture
 - Estimated development period and quotation based on scientific calculation and professional experience
 - Adjusted development plans for different projects upon immediate priority levels for most efficient use of resources
 - Took the opportunity to effectively enhance the extensibility of existing code, by innovatively refactored its data model and interface, by which successfully laid the groundwork for future business need of client then contributed to more cooperation

Software Engineer/Scrum Master, BMW Group R&D Center, Beijing (Outsourced from ZD Automotive)

Aug 2018 – Aug 2021

Tech Stack: Java, Spring Cloud, Spring Boot, AWS K8s, Docker, Redis, Nginx, JavaScript, TypeScript, Node.js

- Independently designed and implemented Easy-Charge Microservice and set up interfaces for STATE GRID Corporation of China
 - Independently designed and implemented the POC version of its back-end vehicle information validation architecture with Netty and RTM
 - Redesigned and re-implemented the whole architecture that could maintain its function regardless of the effect of policy changes, by replacing RTM data stream in POC with multiple upstream services with Spring Boot, then drew UML diagrams for corresponding documents
 - Advised PO to improve test cases with mature test plan containing goals of each step
 - Independently formulated the complete development plan, prioritized development models and took lead during the whole development process
 - Reduced pressure for some delicate upstream servers by caching data with Redis, and lessened unnecessary visit with Hystrix to save more resources

- **Took lead in Short Video downloading and playing App design and implementation**
 - Played the role mainly as a Scrum Master to work out weekly development plan with PO, completed and optimized new business needs, mentored juniors, controlled coding quality and played a significant role in decision-making process in each sprint, e.g., setting priority for each task, breaking down user stories, and assessing and mitigating risks
 - Redesigned back-end restful interface as a whole adapted to policy changes and switched calculation logic and data maintenance work to back-end side under high-intensive transnational negotiation, so that resource consumption of the App was enormously reduced to improve its stability
 - Assisted and supported the SDK team in Germany to locate problems in its new versions and estimated risks, which significantly contributed to its perfect compatibility with new SDK version and its early release during pandemic with huge budget savings
- **Took lead in vehicle built-in Intelligent Personal Assistant (IPA) mode project**
 - Took full charge of negotiation with head technical team in Germany, successfully solved all technical problems of interaction between OAP platform and vehicle hardware during its POC stage
 - Took lead in design and implementation for its festival mode prototype that arouses greetings on special occasions, created documents, explained its philosophy to PO and mentored junior developers
 - Assisted PO to set up weekly development plan and reduced risks in the role of scrum master
 - Designed the whole Restaurant Reservation App logic and built its structure using decision-making tree model as its core algorithm logic and used linked list for handling and caching context, which solved the context losing problem caused by switching over Apps
 - Estimated precisely and prepared sufficiently during earlier stage of development to enormously shorten the project period and successfully delivered with high quality
- **Took lead and developed vehicle built-in Online Application Platform (OAP) Apps (QQ Music and Ximalaya)**
 - Created documents based on SDK source code of OAP platform, examples and tutorial code, then guided and mentored developers during the whole process
 - Took lead in implementing mock testing environment that allows all test cases to run virtually with Jest and led development to implement its Unit Test based on SDK source code

Software Developer, Fillr, Pop Tech Pty Ltd, Melbourne, Australia

Dec 2015 – Jun 2018

- **Optimized Fillr's performance Accuracy of Fillr App**
 - Improved accuracy algorithm, logic and web page analyzing processors with CoffeeScript. Mapping accuracy was highly improved among most of its supported languages: English from 82.00% to 97.11%, Chinese from 70.32% to 96.00%, German from 68.00% to 93.01%, etc
 - Re-designed back-end code structure to improve code cohesion, for more smooth and convenient modification and expansion experience
 - Effectively reduced accesses to Google translation API from 2,000,000 to 500,000 times per day by setting up cache and optimizing algorithm
- **Designed and implemented practical tools for team**
 - Implemented UI test tool with React for accelerating test and debug process, then implemented UI for result demonstration purpose, added new features for testers to customize testings.
 - Implemented Web Crawler with Java (jsoup) for data collection purpose that reduced time consumption from 30,000 seconds to 300 seconds per 1,000 websites
- **Developed Fillr's mapping specs collecting tool for Chrome Extension using Vue.js, which is used for MTurk workers to collect specs for testing purposes**

Software Engineer, Agricultural Bank of China, Beijing (Outsourced from BankHT)

Jul 2011 – May 2013

- **Implemented and continuously upgraded all financial affairs and authority management features with Struts1, Spring, iBatis and Sybase**
 - Negotiated complex and peculiar content across teams and verified feasibility of new functions.
 - Separated financial affairs management module into creation, invalidation and budget management modules with Java and JavaScript
 - Added dynamic authority validation into financial affairs modules with Java and JavaScript, allowing user to view, edit or approve applications
- **Provided a widely accepted optimized solution for authority management module**
 - Negotiated authority management module contents across teams. Provided widely accepted solution and verified its feasibility
 - Designed and developed new data structure and algorithm model. By its completion, authority management progress was remarkably upgraded according to administrative demands

**RELATED
EDUCATION**

RMIT University (Royal Melbourne Institute of Technology), Australia

- **Bachelor of Computer Science (B.Sc.) - Accelerated**
 - GPA: 3.7/4.0, WAM: 84/100,

Jul 2014 – Jul 2016

Graduated with distinction • Recognized as a Computer Science and IT student mentor of RMIT LEAD program