**XINGKE RUAN**

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**JAVA DEVELOPER**

Experienced application developer with over 8 years of history in software development, maintenance, and testing in the telecom industry. Skilled in the use of C, C++, Java, and other programming languages to deliver scalable, dynamic solutions with optimized code and high performance. Strong analyst with a solid foundation in cutting-edge development techniques, and a knack for leadership, communication, and teamwork, guiding small teams of talented developers in the full development life cycle.

Object-Oriented Java • Application Development • Requirement Analysis • Back-End Services

Database Development • Team Leadership • Performance Improvement • Testing & Troubleshooting

**Languages:** SQL, Java, Bash Shell, awk,Kotlin, C/C++, Makefile

**Web:** JavaScript, jQuery, AJAX, JSP, Servlet, HTML5, CSS3, Bootstrap, Thymeleaf, JSON

**Web Services:** REST

**Web/App Servers:** Apache Tomcat

**Frameworks:** Spring (MVC, Security, AOP, Boot), Hibernate, JPA

**Databases:** Oracle, HBase, MySQL, SQLite

**Design Patterns:** Singleton, Factory, MVC

**SDLC:** Agile-Scrum

**Tools:** vi,UML, Eclipse, Source Insight, Git, Maven, Toad, MS Visio, GDB, Jenkins, Tcpdump

**Platforms:** Windows, UNIX, Linux, Android

**Big Data:** Zookeeper, Hadoop

**PROFESSIONAL EXPERIENCE**

*CAREER NOTE:* Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

**SI-TECH INFORMATION TECHNOLOGY, Taiyuan, China • 2010-2019**

Public company providing software solutions and related services to telecom operators.

**Senior Software Developer / Team Leader • 2015-2019**

Led a 6-person team in the development and maintenance of Telecom Billing System, and redeveloped Available Resource Query. Assigned daily work arrangement of team members.

**Tasks Performed:**

* Implemented distributed scheduling, dynamic scaling, and automatic deployment.
* Designed and implemented consistency comparison mechanism for over 100M pieces of data.
* Developed core functions for record billing, free resource queries, and flux threshold reminders.
* Led new project development, testing, and deployment, including Cloud Billing System and User Customer Experience Upgrade. Researched and fixed complicated bugs and performance problems.
* Migrated Available Resource Query service from C to Java language, and fixed-language to JSON.

**Achievements:**

* Provided constructive recommendations for online billing architecture, greatly improving processing performance and stability.
* Promoted timely delivery of Cloud Billing System project, enhancing processing capacity.
* Received top marks in annual employee value assessment 3 consecutive years.

***Technologies Used:*** *Java, C/C++, Proc, Shell, SQL, Spring (Cloud, Boot, JPA), JSON, Oracle, DMDB, DFS, MLB, Zookeeper, Docker, GDB, UNIX, Linux*

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**Software Engineer • 2010-2015**

Developed and maintained telecom billing system.

**Tasks Performed:**

* Built first and second generation of online charging system of China Mobile Shanxi branch.
* Developed daily new functions of billing system for China Mobile Shanxi branch.
* Completed new product charge rate configuration, as well as daily maintenance.
* Performed routine maintenance on BSS system.

**Achievements:**

* Recognized by CEO of Shanxi branch for work quality on OCS project.
* Completed customer requirements on time and with high quality, greatly improving client satisfaction.

***Technologies Used:*** *C/C++, Proc, Shell, Oracle, IMDB, TCP/IP, JSON, UNIX*

**ACADEMIC PROJECTS**

**Social Network Application, MUM (2019):** Worked in a team of 4 to design and develop a social media application capable of user registration, login, profile management, posting text and media, timelines, weather, and notifications. ***Technologies Used:*** *Java, Hibernate, JavaScript, HTML, CSS, JSP, jQuery, MySQL, Git, Maven, AJAX, JSON, Tomcat*

**Online Shopping Application, MUM (2019):** In a team of 4, designed and developed an online shopping application with multiple user roles. Admin may display ads and approve reviews; seller may register, post products, and maintain orders; and buyer may register, follow/unfollow, manage profile, check history, cancel orders, download receipts, and write reviews. Includes support for payment and persistent shopping cart. ***Technologies Used:*** *Java, Spring (Security, MVC, JPA), REST, Thymeleaf, JavaScript, HTML, CSS, jQuery, Git, Maven, AJAX, JSON, Tomcat*

**Hotel Reservation System, MUM (2019):** Designed and implemented a microservice-based, scalable, resilient, Cloud-native hotel reservation application in a team of 5. System includes user registration, room reservation, food ordering, and payment functions, as well as authentication and authorization. Dockerized and deployed to Kubernetes. ***Technologies Used:*** *Java, Spring (Boot, Cloud, Security, MVC, JPA), JWT, REST, Swagger, Docker, Kubernetes, Git, Maven, AJAX, JSON*

**EDUCATION**

**Master of Science in Computer Science**

*(In progress via distance education; expected completion 2021)*

Maharishi University of Management – Fairfield, Iowa

***Key Courses:*** *Algrithm,WAP; WAA*

**Bachelor of Management in Marketing** (2009)

North University of China – Taiyuan, China

**PROFESSIONAL DEVELOPMENT**

OCJP Certificate (100% score)

Certificate, Java Training Program – Tarena

National Computer Rank (Level III)