

Yuping Wang

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SKILL SET

Category	Technology
Programming languages	Java, Javascript, C#, Scala, Swift, Python
Front end technologies	HTML, CSS, Angular, React, Java Swing
Back end technologies	JavaEE (EJB, JPA, JMX, JAX-RS, JSP), Spring, Hibernate, ASP.NET MVC, Akka, NodeJS, SQL, XML
Database	Oracle, MySQL, MongoDB
Application servers	JBoss, WildFly, Tomcat
Version control	Subversion, Git
Build tool	Maven, Ant, npm, Gradle
Continuous Integration	Jenkins
Methodologies	Scrum
Defect tracking	TeamForge, Jira
IDE	Eclipse, IntelliJ IDEA, Visual Studio 2015/2017, Visual Studio Code, XCode
OS	Linux, Windows, macOS

PROFILE

1. Graduated with a bachelor degree in computer science and a master degree in software engineering. Solid knowledge in software programming and development methodology. Certificated Java Programmer, passed [Front End Development Program\(1\)](#) at Free Code Camp through self-study.
2. Participated in the development of enterprise applications for ten years. Learned from the work experience the practical skills of Object-oriented design and functional programming paradigm. I work as a Full Stack Java developer and since 2010, join in a development team running Scrum methodology together with practice (e.g. Test-driven development and continuous integration) for a leading global provider of diagnostic imaging and health-care IT solutions.
3. Broad interest in a wide range of technical stacks (JavaEE, .NET, NodeJS, iOS), and maintaining an open-source [parser\(2\)](#) of Health Level Seven International (HL7). I also run a technical [blog\(3\)](#) and willing to do knowledge sharing with colleagues.

EXPERIENCE

Achievements

- Design and implement the connectivity middle-ware (EJB,JMS,JPA) that provides high throughput of message exchange between clinic departments. Based on my research and prototyping in Java parser generator (JavaCC), the middle-ware provides a proprietary scripting to customize message contents in high speed via pre-parsed expression trees in a cluster-aware cache (Infinispan). I am the major contributor and maintainer of this scripting language, as well as its configuration and development environment (Java Swing, JMX, Angular). I am also the sole creator of a language bridge, which extends the support of Javascript syntax in sandbox.
- Trouble-shooting software deficiency and refactoring source code (JavaEE, Java Swing, AngularJS) with legacy code base and 3rd party libraries. Introduce Domain-Driven Design to clarify code intention and to improve maintainability in the long term. Do knowledge sharing with team members to explain technical details (see [articles\(6\)](#) adapted for publication) in Scrum retrospection meeting.
- Build up quickly and practice knowledge of Angular and other modern Javascript frameworks in projects and prototyping. (see examples [1\(7\)](#), [2\(8\)](#), and [3\(9\)](#))
- Introduce Actor System to enhance the load test framework of connectivity module. I use the knowledge of Scala programming language and Akka to implement a simplified version of actor system to solve the problem how to create performance test that could be run in a distributed environment.
- Solid knowledge in the domain of health-care. Inspired by 3rd party libraries Hibernate and Entity Framework, I make extended use of a HL7 [library\(5\)](#) with the capability of message transformation and persistence and work closely with a large open-source community [DICOM\(4\)](#) to upgrade a large source code base.
- Follow Agile methodology and take a role as Scrum Master (from 2012 to 2015) in a development team (5 developers). Host daily stand-up meetings, planning and review meetings, and work with product owner to scope and deliver working product timely.
- Efficient cross-site communication with other R&D sites (Belgium, Austria and Canada). Participate in architecture and requirement discussion. In 2014 and 2016, I worked face-to-face with another development team in Belgium and did knowledge transfer successfully at Shanghai office afterwards. I help keep both team good relation and good progress for Shanghai team.
- Coach new members in Java programming language and other Information Technologies (for example [1\(10\)](#), [2\(11\)](#), and [3\(12\)](#)).

Responsibilities

- Designing, developing and trouble-shooting JavaEE application that meets requisite software development practices and requirements.
- Developing and executing unit and integration test plans, interfacing with other software developers regarding the results of tests.
- Participating in the architecture and design of software components. Contributing to the estimates of software component designs, and reviewing the work of team members.
- Embracing the agile methodology – Scrum and delivering working software for each development cycle.
- Acquires knowledge of industry and company standards with a focus on pragmatic software solutions.

References

- Stephen Yu, Agfa HealthCare IT (Shanghai), General Manager, T +86 21 2412 2003, M +86 15026585382

KODAK SHANGHAI PRODUCT DEVELOPMENT CENTER

Software Engineer

Jan. 2007 - Feb. 2010

Achievements

- Participated in design and coding of Advertisement Player module (Java Swing, RMI) for Kodak Digital Cinema System. Apply UML class diagrams and sequence diagrams to large-scale software system and receive positive feedback from supervisor.
- Good progress in coding and bug-fixing for the web site of Kodak Digital Cinema System (JSP, Servlet, Javascript), and take the role as a contact with the development team from headquarters and get good feedback.
- Quickly build up knowledge of C# (WPF) in prototyping projects and deliver working components on time.

Responsibilities

- Developing and debugging software of Kodak Digital Entertainment department ensuring that work products meet business requirements and sanctioned work processes including the creation of regulatory artifacts.
- Resolving software defects or implementing features to meet schedule commitments, and applying appropriate diligence for requirement changes and software testing (smoke test).
- Working together with different R&D teams in a co-located environment.

References

- Shijie Wan, Ph.D, Kodak Shanghai Product Development Center, General Manager, T +86 21 5884 1818
- Carrie Dailor, Lead QA tester for the Kodak Digital Cinema Services, cdailor@yahoo.com

EDUCATION & QUALIFICATIONS

INSTITUTION	QUALIFICATION	YEAR
FREE CODE CAMP	FRONT END DEVELOPMENT PROGRAM	2016
EAST CHINA NORMAL UNIVERSITY	SHANGHAI MASTER OF SOFTWARE ENGINEERING	2003-2006
SUN	CERTIFICATED JAVA PROGRAMMER	2001
SHANGHAI UNIVERSITY OF ELECTRIC POWER	BACHELOR OF COMPUTER SCIENCE	1997-2001

REFERENCES

- 1: <https://www.freecodecamp.org/sevenbamboos/front-end-certification>
- 2: <https://www.npmjs.com/package/sam-utility>
- 3: <https://sevenbamboos.github.io/my-blog>
- 4: <http://www.dcm4che.org/>
- 5: <https://hapifhir.github.io/hapi-hl7v2/>
- 6: <https://sevenbamboos.github.io/my-blog/tags/Design-Pattern/>
- 7: <https://sevenbamboos.github.io/my-blog/tags/Angular/>
- 8: <https://sevenbamboos.github.io/my-blog/tags/Redux/>
- 9: <https://sevenbamboos.github.io/my-blog/tags/Swift/>

10: <https://sevenbamboos.github.io/my-blog/tags/Java/>

11: <https://sevenbamboos.github.io/my-blog/tags/javascript/>

12: <https://sevenbamboos.github.io/my-blog/tags/Git/>