Kevin Q. Luo

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SUMMARY

- Over 10 years of application developer experience.
- Solid development skills using Java and J2EE.
- Experience encompasses software design, development and maintenance of the web application software.

TECHNICAL SKILLS

Programming Languages
Java, JavaScript, XML, PL-SQL, XML, HTML, CSS, SCSS, Ant
Technologies
J2EE, JSF, Seam, EJB3, SpringBoot, JSP, Facelets, AJAX, Servlets, Web Services, Hibernate, Struts, JQuery, AngularJS, Crystal Report
Programming Software and Web/Application Server
Eclipse, JBuilder, Dreamwaver, JBoss, Apache
Database Design
Oracle, SQL Server, Access

WORK EXPERIENCE

Senior Software Engineer, Senior Systems, Marlborough, USA 2008-2020

The principal developer behind My BackPack (a.k.a MBP), a complete administrative software solution for 300+ schools with more than 200+ interactive features. The main technology stack includes JBoss, JSF, Seam, EJB, Spring Boot, Web Service, Hibernate, JSP, Facelets, Oracle SQL database, Microsoft SQL Server, AJAX, jQuery, AngularJS, YUI , SVN, Git and Crystal Report.

- Completed full systems development life cycle (SDLC) of MBP project in the Agile environment
- Worked with project stakeholders and UI designers to design and deliver project requirements on deadline
- Contributed to core product development from web service API to interactive web user interface with JSF, EJB, Hibernate and various Front-end technologies
- Implemented various core MBP services including Payment gateway with multiple providers, Single Sign On with RSA support, Online report generation, Automated Email system, and dynamic Online Form with validation and PDF support
- MBP UI is fully responsive on both mobile and tablet
- Automated build and deployment pipeline with CruiseControl, Ant, and SVN
- Created online report generation system with Crystal Report integration
- Experience creating RESTful and SOAP web service API endpoints supporting XML or JSON responses

- Working knowledge with Oracle SQL DB and Microsoft SQL server
- Hand-on experience supporting MBP product with both internal and external users

Key Contributions to various components of MBP:

Online Payment - a business module to provide the on-site payment with different payment options.

- Integrate gateway providers to MBP.
- Designed and developed payment setup and processing module

Single Signing On - a business module to enable users to gain access to MBP and their own system with a single ID.

- Implemented Single Sign On authentication module with LDAP and SOAP.
- Integrate RSA software to MBP to provide the secure data transmission.

Online Report - a business module to generate course and transaction reports for faculties and parents.

- Integrated Crystal Report software to MBP report generation system with i-net Clear Reports.

Email System – an automated business module to send the confirmation email and announcement broadcasting email.

- Created an email system with recipient book, setting management, and HTML template
- Automated recurring email job with Quartz scheduler. Design and develop
- Implemented a high-performance multi-threaded email processing module

Online Form - a business module to enable students to apply school or register courses online.

- Designed and developed complete Online Form solutions for school admission, registration and enrollment
- Implemented dynamic form field component with validation and customized branding support
- Integrated PDF generator for online form export

Software Engineer, IDL Systems, Boston, USA 2005 – 2008

Developed and maintained e-learning Web Applications by using technologies of JRun Server, SQL Server, J2EE, Struts and Hibernate

BCReport – a new module in the course management system to generate business reports (J2EE, SQL Server, Struts, Hibernate and Jasper Report)

Adaptive Learning – an online course management system to support online training programs of 10 universities (J2EE, SQL Server, Struts and Hibernate)

EDUCATION

B. S., in Computer Science, Major in Software & Computing and minor in Business, Carleton University, Ottawa, Canada.

B.S., in Electronic Engineering, Northern Jiao-Tong University, Beijing, China