



## SUMMARY

- Expertise in Java, Relational Database Management Systems in web and client-server environments
- Strong abilities in requirement analysis, problem-solving, quick-learning, time management, prioritization and diverse leadership
- Sun Certified Programmer for the Java Platform, Standard Edition 5.0
- Oracle9i Database Administrator Certified Associate, Oracle Database 10g Administrator Certified Professional

## LANGUAGES AND TECHNOLOGIES

- Languages: Java, J2EE(JSP/Servlets, EJB), C, C++, SQL, PL/SQL, XML, Web Services
- Web Technologies: AJAX, JavaScript/jQuery, HTML, FreeMarker, HTML, CSS
- Frameworks: MVC, JUnit, Jive, Spring, Struts
- Databases: Oracle, MS SQL Server 2005, MySQL, Postgres
- Tools: Maven, SVN, Eclipse IDE, Jira

## EDUCATION

Carnegie Mellon University, Pittsburgh, PA 5/2009  
Master in Information Systems Management

Konkuk University, Seoul, Republic of Korea 2/2007  
Bachelor of Science in Computer Science and Engineering

## EMPLOYMENT

**SolutionSet, Java Developer** 5/2010 - Present  
BadgeVille, Jive Connector

- Implemented an extensibility framework that serves as the backend hook into Jive, containing all the core functionality necessary to link in Badgeville
- Designed a component to associate Jive activities and actions with events and behaviors in Badgeville for greater extensibility and flexibility and provide additional data to Badgeville analytics in order to get greater insight into user activities and trends

Cerner, uCern Connect (Analytics and reporting)

- Implemented a uCern video analytics API, web service layer, integration of existing Ooyala player with the API and customization of existing front-end to surface additional information to receive an accurate report of the number of videos in Ooyala and the number of times a video has been played with detailed information
- Developed Favorite Group reporting to handle reporting and capturing metrics on which groups were favorites and how many times a group was marked as a favorite

Genentech, PDCC (Upgrade, Enhancement, Maintenance, Migration)

- Designed the Generic Data Source Connector for the content management system to import documents from external data sources via a batch process to provide a fully-featured collaboration environment for the global clinical science organization in Roche/Genentech, which achieved a 92% satisfaction record
- Developed custom document metadata (rank and categories) to identify and prioritize high quality documents in the Document Watch widget with filterable options to enable users to quickly find documents of interest, reducing time to render search results by 30% via SQL tuning
- Implemented a Document Metadata Editing (curation) module to update specific pieces of metadata on imported documents
- Supported community migration – developed a migration framework to generate XML documents for content and SQL scripts to move community content to reduce migration runtime and prevent data loss

- Built a Google Calendar widget by parsing XML data using Google APIs to display the most upcoming events on a user's home page based on a user's interests and profile information

#### SAP, SAP Community Network

- Implemented a Global Metadata system to add metadata defined by an administrator and associate the metadata with the content to enhance search and browse functionalities
- Developed a search function through various filters (metadata, content type, date, language, space and author) by updating objects loaded for indexing from the database using the Jive API and Solr schema with Facet criteria
- Provided an automatic user reputation component based on user actions to increase the quality and quantity of content and rank others based on their points in specific area

#### CISCO, Cisco Learning Network and Cisco Community Support

- Implemented Change Data Capture Search Meta tags for all spaces (community, social group, and blog) and content types (discussion, document, and blog post) to improve the site interaction with both users and search engines
- Implemented RESTful web service APIs to allow mobile devices use Jive community features and created functional test cases for QA engineers

#### Premier Farnell, Global Attribute and Virtual Workspace

- Developed a Scrap Box component to allow users to collect community content (documents, discussions, blogs, and videos) and products in a personal Scrapbox to enable content search and filtering
- Implemented a middle layer component to parse XML document results from localized transactional search servers and execute search queries for collections of objects with Java, Java EE, XML, AJAX, JSON and FreeMarker
- Designed a Global Attributes component to provide a method of organizing content on a site-wide basis, such that each attribute item was associated with a related term or terms and these terms were used within the Virtual Workspace framework to filter the view of related content in each room

#### **ComPePrice, Software Engineer**

3/2009 - 4/2010

- Worked with the business team to define use cases, interface definitions and web services specifications for a social video curation website
- Designed and built web services and handle associated business module integration using Java, J2EE and JAX-WS

#### **Western Asset Management, Software Engineer Intern**

6/2008 - 8/2008

##### Online Client Report and Client Report Extract Administration projects

- Analyzed and designed SQL and PL/SQL components including stored procedures, triggers and packages to generate rate of return for daily basis investment reporting for each portfolio and reduced runtime by 30% via SQL, PL/SQL optimizations
- Achieved 20% reduction in reported problems by implementing an automatic reporting approval process and data population