

# Jongkuk Lee

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**OBJECTIVE:** A Java Developer (Job ID: 120493) position where my programming skills can contribute to CBC Radio Canada - Digital Operations.

## PROFILE SUMMARY

- Worked as a full stack Java/Web developer using Java/J2EE/ADF/JavaScript/Oracle SQL for 10+ years
- Completed 20+ large enterprise Java/Web projects
- Analyzed/designed/documented/developed/tested Java/Web-based complex business process manufacturing systems
- Developed Angular/RESTful API/Node.js College projects with A+
- Used Oracle enterprise products/frameworks implementing load balancing/clustering algorithms
- Engaged in Java component-based development (CBD) and multi-tier model (MVC) projects

## PROFESSIONAL SKILL

**Program Language:** Java, J2EE/Spring/Oracle Business Component for Java (BC4J), JSP (Java Server Page), Servlet, JavaScript (Angular/RESTful API/Node.js/React/JQuery/ Bootstrap/HTML5/CSS), Structured Query Language (SQL)

**IDE (Integration Develop Environment) Tool:** Eclipse, JDeveloper, SQL Developer, Together, StarUML

**WAS (Web Application Server):** Oracle Application Server 10g (Oracle Component for Java), Weblogic, Jserve, Tomcat

**DBMS (Data Base Management System):** Oracle Database 10g RAC, DB2, MongoDB, PostgreSQL, SQL Server

**OS (Operate System):** UNIX, Linux, Window, IBM i

**Product/Framework:** Oracle Application Development Framework (OADF)/Oracle Business Component for Java (BC4J), Oracle MVC-J2EE Framework, POSCO Message-J2EE Framework, Oracle Concurrent Manager on Oracle E-Business

**Others:** Apache ANT (Build tool), Git, Serena PVCS (Version Control), RESORT for Java (Code Checker), LOG4J

## EDUCATION

Diploma, Computer Programming Developer  
Seneca College

January, 2018

Achievement: President Honours List 2017, GPA 3.9/4.0

Course Projects:

- Employee Management System (4 months, May, 2017): manages the employees, managers, departments information  
Key skills: Angular/Jasmine/Node.js/RESTful API/Express.js/JQuery/AJAX/JSON/SASS/Bootstrap/ JavaScript/MongoDB  
Source codes: <https://github.com/JongkukLee/PMSProject.git>
- Project Management System (4 months, August, 2017): manages the project information: name, description, leader and so on  
Key skills: Node.js/RESTful API/Express.js/JQuery/AJAX/JSON/Bootstrap/JavaScript/HTML/CSS/PostgreSQL  
Source codes: <https://github.com/JongkukLee/EMSPProject>
- About 10 other projects with C/C++/Java/RPG/StarUML/Oracle/DB2

Hyundai Information technology education center

1999

- Java programming language course

BSc. Chemistry

March, 1998

Ulsan University

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## WORK EXPERIENCE

Job Title	Role	Customer / Region	Period
Manufacturing Execution System (MES) operation	Maintenance Team	POSCO (Korea, Indonesia)	2004~ 2016
<b>Overview:</b> POSCO MES was a Java/J2EE/Oracle solutions/Web-based system to automate POSCO steelwork manufacturing lines including over 200 factories and connected with PLC/process computing and ERP system			
<b>Key responsibilities:</b> <ul style="list-style-type: none"><li>- Worked as a member of POSCO MES maintenance team.</li><li>- Analyzed/designed/documented/developed/tested the Java and SQL-based source codes according to the customers' service requests of 4 factories in Korea and 1 factory in Indonesia, to improve the systems and enhance business processes</li><li>- Monitored/debugged system faults in remote-area using VPN software to support 24/7 non-stop system</li><li>- Reported the impacts of the system changes to support the system project teams</li></ul>			
<b>Key skills:</b> Java/J2EE/JSP/Servlet/JavaScript/Business Component for Java/Oracle MVC-J2EE framework/POSCO Message-J2EE Framework/Structured Query Language (SQL)/Oracle Database 10g RAC/Oracle Concurrent Manager on Oracle E-Business			
<b>Results:</b> Going up product productivity through the improvement of system and business processes based on system operation reliable			
POSPIA3.0	Developing Team	POSCO (Korea, Indonesia)	2013~ 2014
<b>Overview:</b> POSPIA3.0 was a Java/J2EE/Oracle solutions/Web-based system to track the raw materials, products, and costs in POSCO global workplaces through standardization of over 170 global business systems like ERP, MES, and SCM			
<b>Key responsibilities:</b> <ul style="list-style-type: none"><li>- Analyzed/documented the impact of manufacturing system related to changing POSCO ERP model, and modified Java-based source codes</li><li>- Extracted business process rules from the Java source codes of the manufacturing system to manage on centralized data repositories called "a master data system" for standardization of product information</li><li>- Provided SQL query statements for dashboard on Oracle Business Intelligence to compare between MES and ERP system</li></ul>			
<b>Key skills:</b> JSP/Servlet/Java/J2EE/Business Component for Java/Oracle MVC-J2EE framework/POSCO Message-J2EE Framework/Structured Query Language (SQL)/Oracle Database 10g RAC/Oracle Concurrent Manager on Oracle E-Business/Oracle Process Manufacturing (OPM), Oracle Business Intelligence			
<b>Results:</b> Tracked raw materials/products in real-time, Responded to customer queries 10x, Manufacturing decision-time 4x faster			
Manufacturing System Renovation	Developing Team	POSCO (Korea)	2002~ 2004
<b>Overview:</b> POSCO MES Renovation project was a part of POSCO Process Innovation (PI) activities, and it was the first enterprise solution to be applied Java/J2EE to large-scale process manufacturing system			
<b>Key responsibilities:</b> <ul style="list-style-type: none"><li>- Created UI pages to back up when the automation system was unavailable, using Oracle Java/J2EE solutions such as Oracle Application Development Framework (OADF), Oracle MVC-J2EE Framework, and Oracle Business Component for Java</li><li>- Created NON-UI applications to transfer data among automation sensor (PLC) /process computing (P/C) ~ Business computing (B/C) ~ ERP, using POSCO Message-J2EE Framework built based, and EAI server</li><li>- Developed statistics reports/charts using Java/J2EE/Oracle Concurrent Manager/Oracle Database to detect risks</li><li>- Developed real-time monitoring pages to track the raw materials and products to reduce the bottle neck</li></ul>			
<b>Key skills:</b> Java/J2EE/Applet/JClass chart/JSP/Servlet/JavaScript/Business Component for Java/Oracle MVC-J2EE framework/POSCO Message-J2EE Framework/Structured Query Language (SQL)/Oracle Database 10g RAC/Oracle Concurrent Manager on Oracle E-Business/Enterprise Application Integration (EAI: Fiorano solution and U-Cube)			
<b>Results:</b> Cut down system maintenance costs through integrating steelworks' systems using modern methodology such as Java CBD			
<b>POSCO Other Projects:</b> System Designer/System Developer/Java, J2EE, JSP, Servlet, JavaScript, BC4J, OC4J, Oracle <ul style="list-style-type: none"><li>- Steel Plate System Refine (2015), - New Steel Plate Product Computerization (2014), - Product Quality Detect System (2012),</li><li>- Steel Plate New Cutting Line Computerization (2011), - Steel Plate New Heat Treatment Line Computerization (2007),</li><li>- Ethics Declaration System (2006), - Financial Audit System (2005) - Hot coil Factory Computerization (2004) and so on</li></ul>			
<b>Other Company Projects:</b> <ul style="list-style-type: none"><li>- Mileage Integration System (Hyundai Department Store, Korea, 2001) - Developer/JSP, Java, EJB, Oracle, Weblogic, UNIX</li><li>- Stock Website Renovation (Sejong Stock Exchange, Korea, 2001) - Developer/built stock charts using Java/JClass solutions</li><li>- Customer Relation Management (CRM) System (Hitachi System, Japan, 2000) - Developer/JSP, Java, Jserve, HiRDB, UNIX</li><li>- Web Portal Site (Korea Digital Manager Association, Korea, 2000) - Developer - JSP, Java, Tomcat, Oracle, Linux and so on</li></ul>			