

Jongkuk Lee

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OBJECTIVE: A Java /Web Developer position where my programming skills and knowledge can contribute to this company's successful business.

PROFILE SUMMARY

- Worked as a full stack Java developer using Java/J2EE/SQL for 10+ years
- Analyzed/designed/documented/developed/tested complex business process systems along with peers/managers/customers
- Engaged in component-based development (CBD) and multi-tier model (MVC) in large scale projects
- Familiar on day-to-day activity such as monitoring/debugging/reporting to support 24/7 non-stop system
- Participated in iterative development projects and fully understood development life cycle (SDLC)
- Completed 20+ large enterprise Java projects and modern JS projects (RESTful/Node.js/Angular)

PROFESSIONAL SKILL

Program Language: Java, J2EE (Oracle ADF, Spring MVC/Security), Structured Query Language (SQL), JavaScript (RESTful API/Bcrypt.js/Client-Session.js/Node.js/Angular/React/Bootstrap)

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

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

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

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

Build/QA/Repository: Apache ANT (Build tool), Git, Serena PVCS (Version Control), RESORT for Java (Code Checker)

EDUCATION

Diploma, Computer Programming Developer January, 2018

Seneca College

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: RESTful API/Angular/Jasmine/Node.js/ Express.js/JQuery/AJAX/JSON/SASS/Bootstrap/ JavaScript/MongoDB
Source codes: <https://github.com/JongkukLee/PMSPProject.git>
- Project Management System (4 months, August, 2017): manages the project information: name, description, leader and so on
Key skills: RESTful API/Node.js/ 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 |
| Overview: 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 | | | |
| Key responsibilities: <ul style="list-style-type: none">- Worked as a member of POSCO MES maintenance team.- 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- Monitored/debugged system faults in remote-area using VPN software to support 24/7 non-stop system- Reported the impacts of the system changes to support the system project teams | | | |
| Key skills: 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 | | | |
| Results: 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 |
| Overview: 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 | | | |
| Key responsibilities: <ul style="list-style-type: none">- Analyzed/documented the impact of manufacturing system related to changing POSCO ERP model, and modified Java-based source codes- 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- Provided SQL query statements for dashboard on Oracle Business Intelligence to compare between MES and ERP system | | | |
| Key skills: 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 | | | |
| Results: 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 |
| Overview: 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 | | | |
| Key responsibilities: <ul style="list-style-type: none">- 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- 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- Developed statistics reports/charts using Java/J2EE/Oracle Concurrent Manager/Oracle Database to detect risks- Developed real-time monitoring pages to track the raw materials and products to reduce the bottle neck | | | |
| Key skills: 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) | | | |
| Results: Cut down system maintenance costs through integrating steelworks' systems using modern methodology such as Java CBD | | | |
| POSCO Other Projects: System Designer/System Developer/Java, J2EE, JSP, Servlet, JavaScript, BC4J, OC4J, Oracle <ul style="list-style-type: none">- Steel Plate System Refine (2015), - New Steel Plate Product Computerization (2014), - Product Quality Detect System (2012),- Steel Plate New Cutting Line Computerization (2011), - Steel Plate New Heat Treatment Line Computerization (2007),- Ethics Declaration System (2006), - Financial Audit System (2005) - Hot coil Factory Computerization (2004) and so on | | | |
| Other Company Projects: <ul style="list-style-type: none">- Mileage Integration System (Hyundai Department Store, Korea, 2001) - Developer/JSP, Java, EJB, Oracle, Weblogic, UNIX- Stock Website Renovation (Sejong Stock Exchange, Korea, 2001) - Developer/built stock charts using Java/JClass solutions- Customer Relation Management (CRM) System (Hitachi System, Japan, 2000) - Developer/JSP, Java, Jserve, HiRDB, UNIX- Web Recruiting System (Tomato, Korea, 2000) – a developer, ASP/Visual Basic/IIS/Visual Studio/SQL Server/Window NT | | | |