

Jongkuk Lee

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OBJECTIVE: A Java and Angular Developer position where my programming skills can contribute to your company business

PROFILE SUMMARY: Worked as a full stack Java/Web developer using Java/J2EE/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 system, completed all 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 to raise reusability and scalability

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

January, 2018

Seneca College

WEB Projects:

Employee Management System (4 months, May, 2017): manages the employees, managers, departments information

- Created express web server using Node.js/Express.js/RESTful API to handle the data on PostgreSQL database
- Created UI pages using the template pages of Handlebars.js and Employee, Department tables on Postgres database
- Verified authentication/authorization on system
- Other key skills: JQuery/AJAX/JSON/Client-session.js/Bootstrap/JavaScript/HTML/CSS

Project Management System (4 months, August, 2017): manages the project information: name, description, leader and so on

- Created the back-end Web API using Node.js/RESTful API to handle the data on MongoDB
- Designed reusable components such as navigation bar, side bar, header, footer, main content component
- Created select/update components using React/Angular to render on UI pages or to use other components
- Tested Unit modules using Jasmine/Angular testing utilities and built/deployed application on Cloud platform (Heroku)
- Other key skills: Express.js/JQuery/AJAX/JSON/SASS/Bootstrap/JavaScript/HTML/CSS

Hyundai Information technology education center

1999

- Java programming language course

BSc. Chemistry

March, 1998

Ulsan University

REFERENCES

Name: Patrick Crawford

Relationship: Professor (Attached the reference letter on page #3)

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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- Responded the queries of the maintenance team managers in a very short period of time- 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			
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/designed/documented/developed/tested the Java/SQL-based source codes of manufacturing system related to changing POSCO ERP model to contribute accurately calculation of product cost information- Extracted business process rules from the Java source codes of the manufacturing system to manage on centralized data repositories for standardization of product information called "a master data system"- Provided SQL query statements for dashboard on Oracle Business Intelligence to compare between MES and ERP system- Engaged in the tests for new Java-based systems following to construct a new steelwork in Indonesia			
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			
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 send/receive 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, and 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)			
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) - Developer/ASP, Visual Basic, IIS, Visual Studio, MS-SQL, Window NT- Web Portal Site (Korea Digital Manager Association, Korea, 2000) - Developer - JSP, Java, Tomcat, Oracle, Linux and so on			

January 29, 2018

To Whom It May Concern:

I am writing this reference letter at the request of Mr. Jongkuk Lee; a former student of mine at Seneca College in the Computer Programmer (CPD) program. I had the pleasure of teaching Jongkuk for all three courses in our "Web Programming" sequence ("Web Programming Principles", "Web Programming Tools & Frameworks" and "Web Programming for Apps and Services").

Jongkuk excelled in all three courses, receiving a grade of "A+" for each course. He has demonstrated an outstanding ability for web programming, quickly grasping new topics, technology and design patterns including: Git, Node.js / NPM, Express, MongoDB / Mongoose ODM, Postgres / Sequelize ORM, jQuery, Knockout.js, React and Angular 4 (MVVM / MVW).

Jongkuk was a model student. He was always present in every lecture and lab period and would take it upon himself to go beyond the course materials to gain a deeper understanding of the topics presented. He is extremely intelligent and is always looking to upgrade his knowledge of web programming.

I can confidently say that Jongkuk would be an asset to any development team. His extensive experience, paired with his ability to learn new topics quickly make him an ideal candidate for web development. If you have any further questions, I can be reached at (416) 491-5050 ext 33066.

Sincerely,

A handwritten signature in black ink, appearing to read 'Patrick', with a stylized flourish at the end.

Patrick Crawford
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