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## **Software Engineer**

I am a software engineer in Seoul, the Republic of Korea. With a M.S. degree in Department of Computer Science, M.A. in Department of Business Administration and much experience using many languages and frameworks to develop software applications, I am confident I will be an asset to my organization.

I enjoy being challenged and working on projects that require me to work outside my comfort and knowledge set, as continuing to learn new languages and development techniques are important to me and the success of my organization.

I am interested in data mining and machine learning.

## **Qualification Summary**

- Highly skilled in designing, developing and testing software.
- Thorough understanding of data structures and algorithms.
- Knowledgeable of front-end and back-end development best practices.
- Much software troubleshooting experience.
- Much experience from design to launch software.
- Much experience developing with many languages and frameworks.
- Developed software for over 10 million users.

## Education

- March, 2012 - August 2015 M.A. degree in Department of Business Administration, Korea National Open University
- March, 2009 - August 2011 M.S. degree in Department of Computer Science, The Graduate School of Information, Chung-Ang University
- March, 1999 - February 2008 B.S. degree in Department of Computer Software, Kyungwon University

## Work Experiences

### **Delicon, February, 2017 - present**

- **Mug for Android; Freelance work**
  - An Android application that watch movies & TV shows online or stream right to your phone. Implemented location recognition technology using wifi and multi-format streaming video play technology.

### **ESTsoft, February, 2017 - present**

- **Sales Management System; Freelance work**
  - A Web application based Java that manage sales, and order within the company.

### **Julda, January, 2017 - April, 2017**

- **Smart Tape Management for Android; Freelance work**
  - An Android application that manages measurement by communicating with Smart Tape via Bluetooth. The app can connect with smart tapes to view, organize and share size data.

## **KCC, October, 2016 - December, 2016**

- **Groupware for Mobile; Freelance work**
  - Porting legacy groupware to mobile environment. The groupware for KCC group with over 4,800 employees.

## **Ezaler, August 3, 2015 - December 28, 2016**

- **Comgree, March, 2016 - December, 2016**
  - A messaging application for teams. The service is available online or on a standalone. Implemented in Java a Messaging Application which performs real-time messaging and chat for team. Along with three other team members who wrote the server, iOS and web application.
- **T-messenger, August, 2015 - April, 2016**
  - The messaging application for Android used in the Middle East. Implemented in Java a Messaging Application which performs real-time messaging, message encryption and VoIP using WebRTC. Along with two other team members who wrote the server and iOS application. I worked with local government employees in the Middle East during this project.

## **ESTsoft, February 17, 2003 - June 12, 2015**

- **SkinDoc, September, 2014 - December, 2014**
  - Implemented in Node.js Back-end Service and Back-office which supports API and consults management. Implemented in Java an Application which performs chat and consultation with dermatologists. Lead engineer on this product.
- **Common forum system for mobile applications, February, 2014 - April, 2014**
  - Implemented in PHP, AngularJS, C# and JavaScript an Application which performs Bulletin board system for Mobile application. The project was included as a hybrid mobile app. I shipped this product to over 5,000,000 customers in Republic of Korea.
- **Synchronized song lyrics system redesign; ALSong, February, 2014 - April, 2014**
  - Implemented in Java an Application which performs Real-time lyrics

from mp3 files. I released this product to over 10,000,000 customers in Republic of Korea. Participated in this project as a Technical Architect.

- **Mobile advertise and statistics system, October, 2013 - December, 2013**
  - Implemented in PHP, C#, JavaScript and Hadoop an Application which analytics to measure applications and advertisement data to gain business insights. Lead engineer on this product.
- **Cloud storage service; ALCloud, January, 2013 - October, 2013**
  - Implemented in Java an Application which unifies storage from multiple Cloud Services or Social Networking Services. Lead engineer on this product.
- **ALSee for Windows 8.1 App, September, 2013 - October, 2013**
  - Implemented in JavaScript and HTML5 a Application which animations, transitions, node nesting, layering, filtering and caching for images.
- **Infra service for ALTools, January, 2010 - June, 2013**
  - Implemented in C#, PHP and Python a Application. Developed and managed updates for products that banners, advertisements system for applications with over 10 million users. Lead engineer on this product.
- **BizHard, January, 2008 - January, 2010**
  - Cloud storage and business environment service. Implemented in C#, C++, Java, Python and many other languages an Application which performs a cloud storage service, mail hosting, messenger, forum and mobile for iOS and Android. Lead engineer on this product.
- **Human resource management system, August, 2007 - January, 2008**
  - Implemented in C# an Application which performs HRM (Human resource management) and electronic approval system used by over 300 employees for the company.
- **Web application for game; Cabal Online, June, 2005 - February, 2006**
  - Implemented in C# an Application which performs Member, Payment, Community and Forum services for Game.
- **Content provider site for DRM Service; ALX, April, 2005 - June, 2005**
  - Implemented in C# an Application which performs DRM(Digital rights management), Payment and Member services development.

- **Online storage solution; InternetDisk, January, 2005 - April, 2005**
  - Web application development and data modeling for online storage solution.
- **Online storage service; IDisk, February, 2003 - January, 2005**
  - Web application development and data modeling for online storage solution. This service was provided by major portal of the Republic of Korea.

### **Comcast, January 20, 2002 - February 14, 2003**

- **Inventory management system; Octopus, January, 2003 - February, 2003**
  - Inventory management system for warehouse. Barcode scan and manage application using Windows CE.
- **Web services for internet broadcasting, August, 2002 - January, 2003**
  - Web application development for internet broadcasting system. Deployed in many public institutions in the Republic of Korea.
- **Personal live internet broadcasting system; MyPandora, February, 2002 - August, 2002**
  - Development for private broadcasting solution. Implemented in MFC an Application which performs live video or audio streaming.

### **Other works**

- **Messenger for Android; 6months, December, 2016 - January, 2017**
  - Android Messenger development for open source.
- **Homepage, Intranet and Calibration Center; Tellustech, March - May, 2015**
  - Development homepage, intranet and calibration service.
- **National agency Security Mail; 3Rsoft, July, 2006 - August, 2006**
  - Development security mail solutions for government used by national agencies.