DESMOND LIM
SENIOR SOFTWARE ENGINEER
Blk 684B Choa Chu Kang Crescent, #11-330, S682684, thinkicy@gmail.com , (65) 9222 0613

SUMMARY

A first class honors Software Engineering degree holder since 2011.

A senior software engineer who excels at analyzing, prioritizing and completing tasks in a professional manner. Enthusiastic software application design and development professional with more than 14 years experience.

Adept at application development, testing and optimization. Excels at Visual Basic.NET and Visual C#.NET application development, including coordinating ground-up planning, programming and implementation for core modules.

Love brainstorming for great ideas and turning them into Android apps. Enjoy the process of problem solving and yearn to shared the knowledges with others through coaching and training.

Currently working in an automotive industry, developing standalone or networked Windows desktop applications for dataset management, statistical analysis and report generating.

SKILL SET

Programming languages: Visual Basic.NET, Visual C#.NET, Java, PHP, HTML, Javascript, SQL, VBA
IDE/Tools: Visual Studio, Eclipse, SQL Server, Access, Excel
SDKs: .NET Framework, Android SDK

EXPERIENCE

Senior Software Engineer (Continental Automotive (SGP), 2008 – Present)
Design and develop multi-users, multi-access software application for Windows. Design and develop dot.NET Windows Form controls for reusability and portability.

+ LabelDB, a multi-user, multi-access Windows software application developed with dot.NET framework. This datasets and configuration management software tool provides an easy control and access to the latest configuration sets for each and every vehicles in the R&D departments in Singapore and in Germany.

+ Statustool.NET, a multi-user, multi-access Windows software application developed with dot.NET framework. This development performances tracking and reporting software tool provides a quick overviews and detailed views of each and every projects development status. This application was first built in MS Access and later port over to dot.NET application in the year 2013.

+ Chart Control. Extends the Office Web Component to provide a UI that allows result return from a SQL to be presented in a graphical formats which includes columns chart, bar charts, 3D bar charts and area charts.

+ CustomDatagridControl. Extends the datagridview control to provide extended feature of advance data filtering. e.g. Begin with, Contains etc

Hire
Me

+ CustomCheckedComboBox. Packed a few controls into 1 single useful dropdown control that provides a quick, useful and easy to use UI for items selection. Custom search string with wildcard is also included.

+ XLGrid. An UI which has the look and feel and major functionality of an Excel worksheet that can be used in a dot.NET Windows application VS project. Functions include advance rows filtering, sorting, cells formating and decorating, cell commenting and data copying to-from clipboard.

Android app developer (**Interest/hobby**, 2010 – Present)
Design and develop Android application. Categories includes Livewallpaper, platform game, utilities and geocaching. Following are application published in Google Play under Thinkice Innovation.

+ The Sun, Moon and weather LWP, a locational based weather information application presented as live wallpaper. Package: com.thinkicy.livewallpaperearth

+ Live Photo wallpaper, an application that records a video and present it as a live wallpaper. Pacakge: com.thinkicy.livephotolwp

+ Profile Photo Maker, an application that allow user to select a theme mask and overlays it on a camera preview for a profile photo creation. Package: com.thinkicy.profilephoto

+ Virtual Magnify Lens, as its name implies, this is an application that works like a magnifying glass. Light from LED is activated according to the environment brightness. Zooming is controlled by moving the phone away and to the object. Package: com.thinkicy.magnifier

+ Power Trainer, uses the built-in accelerometer to capture the rhythmic and repeated action to register as a count. Package: com.thinkicy.powertrainer

+ DeadEnd, an easy horizontal platform running game whereby the user runs a mouse through a maze to collect cheeses while avoiding the deadend. Package: com.thinkicy.deadend

+ Alien Whoosh, a game that test the user's concentration and the ability to derive a full picture from a partially shown image. Package: com.alien.whoosh

+ Swipe a Word, a word finding puzzle game with a different kind of play method. Package : com.thinkicy.swipeaword

Refers to the following link for a complete listing.
https://play.google.com/store/search?q="thinkice innovation"

Technical Support Engineer (Metrologic Asia Pte Ltd, 2007 – 2008)
Provides technical support on a wide range of handheld and counter-mount bar code readers for customers in Asia, excluding China and Japan.

+ Developed stock keeping and inventory software application using Visual Basic 2005.NET Express. Item to be queried is barcode scanned into the application and it then stores or retrieves information from a Microsoft Access database.

+ Developed RMA tracking and reporting software application written in Visual Basic 2005.NET Express. New RMA number is automatically generated by the application and Metrologic (Asia) Pte Ltd stored in a Microsoft Access database.

Hire
Me

DESMOND LIM

SENIOR SOFTWARE ENGINEER

Blk 684B Choa Chu Kang Crescent, #11-330, S682684, thinkicy@gmail.com , (65) 9222 0613

+ Advises and recommends on products and develop software application that meets the requirement of customers' businesses.

+ Perform wide range of barcode scanners troubleshooting and maintenances.

+ Improved customer experiences and confidence level on the company's technical support team measurable by the significant reduction in the customers complaints.

Senior Associate Engineer (Singtel Ltd, 2001 – 2007)
Optimized Singapore-island wide mobile network to provide maximum coverage and high call quality for SingTel mobile subscribers.

+ Developed software tool that forecast radio traffic in order to efficiently increase base station capacity to serve more subscribers or to reduce capacity and radio interference.

+ Developed online web-based software tool that monitors and reports network performance.

+ Developed network daily performance report generation software application.

+ Developed web-based frequencies planning tool to reduce the time required to resolve frequencies interference.

+ Performs cell and frequencies planning to reduce radio interferences and improve call quality.

+ Identify strategic sites for new base stations setup to improve radio coverage.

Technical Specialist (Stratech Systems Ltd, 2000 – 2001)
Technical Chief (Republic of Singapore Air Force, 1993 – 1999)

Hire
Me

DESMOND LIM
SENIOR SOFTWARE ENGINEER

Blk 684B Choa Chu Kang Crescent, #11-330, S682684, thinkicy@gmail.com , (65) 9222 0613

EDUCATION

Bachelor of Science (Computing and Computer Science – 2009 –2011)

Graduated with a first class honors after completing a part-time 3 Years program in Software Engineering.

Subject & Grade
Computer Networks (A)
Advance Object-oriented (A)
Final Year Project (A)
Information Systems Design (B+)
Software Project Management (B+)
Relational Database Design (B+)
Multimedia Applications Design (B+)

REFERENCES

Mr Danny Er
Swisslog Pte Ltd
Senior Manager, Head of AMTS & CS
Tel: +65 8488 2368

Mr Kenny Tan
Nets Pte Ltd
Assistant Vice President
Tel: +65 9146 1037

Additional Information

Current salary
S$5500 / month (13-month basis)

Expected salary
S$5800-S$6200 / month (13 month basis)

Hire
Me

DESMOND LIM

SENIOR SOFTWARE ENGINEER

Blk 684B Choa Chu Kang Crescent, #11-330, S682684, thinkicy@gmail.com , (65) 9222 0613

Portfolio

Windows application

Project: SmartPark @ NUS website
Year: 2000
Company: Stratech Systems Ltd
Programming language: HTML / Javascript
Description:
Car parking management that uses license plate recognition technology to track car in-car out
period. SmartPark @ NUS provide useful information of this system via the campus intranet.

Project: Cellular radio network performance monitoring website
Year: 2002
Company: Singtel
Programming language: ASP/ HTML / Javascript / IIS / ACCESS / Java Applet
Description:
A website portal residing in department intranet. Pull hourly and daily data from ACCESS database,
calculate each the island wide base station KPI. Statistical result shown as tables and graphs.

Project: Transceiver operational status report
Year: 2002
Company: Singtel
Programming language: VBA for Excel / ODBC
Description:
Automated report generation of every transceiver operational status in hourly and 12 hourly period.
Raw data are pulled from ACCESS database, operational status are calculated based on predefined
formular. Results are shown in well formatted spreadsheet.

Project: Cellular radio network planning tool
Year: 2006
Company: Singtel
Programming language: VB6
Description:
Cellular's operating frequencies and channel planning software tool. Calculation is based on
neighboring cell's frequencies and traffic interference level. Objective is to identity the best suited
frequencies for new base station.

Project: Inventory tracking tool
Year: 2007
Company: Metrologic Pt Ltd
Programming language: Visual Basic 2008 / ACCESS / ODBC
Description:
Inventory stock level and location tracking software tool. ACCESS is used as database. Interface
with barcode scanner via RS232 COM or USB.

Hire
Me

Project: RMA system
Year: 2007
Company: Metrologic Pte Ld
Programming language: Visual Basic 2008 / ACCESS / ODBC
Description:
A trouble ticket and product servicing tracking system. Assignment of job number and recording of servicing details. Track servicing status. Generation of invoices and service report.

Project: Hex file comparison tool
Year: 2008
Company: Continental Automotive
Programming language: Visual Basic 6
Description:
Parsing of hex files and displaying content in hexadecimal format and 16 bytes per row format. Comparison of 2 hex files and displaying the differences with color scheme.

Project: EEPROM addressing validation
Year: 2008
Company: Continental Automotive
Programming language: Visual Basic 6
Description:
Reading of EEPROM configuration file in Excel format, perform addresses validation and capacity, loading performace calculation.

Project: Project Box Office
Year: 2009
Company: Continental Automotive
Programming language: Visual Basic 6
Description:
Project files version controlling software tool. Perform files checking in/out from achieve.

Project: Job assignment tool
Year: 2009
Company: Continental Automotive
Programming language: Visual Basic 2008
Description:
Dataset engineer availability and workload tracking software tool. Dataset creation jobs are then assigned to respective engineer accordingly. Calculation of workload is based on scoring system and rotated through round-robin algorithm.

Project: ProTracker @ theEye
Year: 2009
Company: Continental Automotive
Programming language: Visual Basic 2008 / ACCESS / ODBC
Description:
Integration of Hext file comparison tool, EEPROM addressing validation, Project Box Office and Job assignment tool mentioned above into 1 unity system. Additional of "4-eyes reviewing of the job processes" functionality.

DESMOND LIM
SENIOR SOFTWARE ENGINEER
Blk 684B Choa Chu Kang Crescent, #11-330, S682684, thinkicy@gmail.com , (65) 9222 0613

Hire
Me

Project: EasyHex.NET
Year: 2012
Company: Continental Automotive
Programming language: Visual Basic 2008
Description:
Upgrading of old EasyHex written in VB6 to VB.NET. Increase hex file size processing from 2Kb to 64Kb. Include hex file direct editing with automatic checksum calculation.

Project: LabelDB
Year: 2013 - current
Company: Continental Automotive
Programming language: Visual Basic 2005 / SQL Server 2008 / compact SQL Server
Description:
EEPROM label creation, tracking and extraction from Excel file. Digital stepper dial values tracking. Datasets creation with variants tracking.

Project: Statustool.NET
Year: 2013 - current
Company: Continental Automotive
Programming language: Visual Basic 2005 / SQL Server 2008 / ACCESS / Office Web Component
Description:
Project status tracking and monitoring. Software codes versioning and status monitoring. Results are represented graphically and in table format using customized user controls.

Android apps

Project: The Sun, moon and weather LWP
Programming language: Android programming / Live wallpaper engine / PHP / JSON
Play store: https://play.google.com/store/apps/details?id=com.thinkicy.livewallpaperearth
Description:
Live wallpaper that provides the Sun's and moon's positioning, outdoor temperature, wind direction and wind speed and weather condition and forecast. Information depends on user's current geographical location.

Project: I found you
Programming language: Android programming / Background service / PHP / JSON / GCM / Google Map V2
Pay store: https://play.google.com/store/apps/details?id=com.thinkicy.ifoundyou
Description:
Friend's location request and respond application. Information is displayed over google map.

Project: Power Trainer Lite
Programming language: Android programming / Text-to-speech
Sensors: Accelerometer
Pay store: https://play.google.com/store/apps/details?id=com.thinkicy.powertrainer
Description:
An app that does the counting while the user execute the exercise moves. Uses accelerometer to detect repeating position to register as a count.

DESMOND LIM
SENIOR SOFTWARE ENGINEER
Blk 684B Choa Chu Kang Crescent, #11-330, S682684, thinkicy@gmail.com , (65) 9222 0613

Hire
Me

DESMOND LIM

SENIOR SOFTWARE ENGINEER

Blk 684B Choa Chu Kang Crescent, #11-330, S682684, thinkicy@gmail.com , (65) 9222 0613

Project: Virtual Magnify Lens
Programming language: Android programming
Sensors/ Hw: Accelerometer, Camera, Proximity, Light, LED
Pay store: https://play.google.com/store/apps/details?id=com.thinkicy.magnifier
Description:
Works like a magnifying glasses. LED switched on based on lighting condition. Zooming is based on distant between subject and item.

Project: DeadEnd
Programming language: Android programming / FB SDK/ Google+ SDK
Pay store: https://play.google.com/store/apps/details?id=com.thinkicy.deadend
Description:
Landscape mode platform running game. Scores and achievement logged in Google Play. Highscore can also be published to FB.

Project: Swipe A Word
Programming language: Android programming
Pay store: https://play.google.com/store/apps/details?id=com.thinkicy.swipeaword
Description:
Form the required words by swiping on the letter blocks.

Hire
Me