

## Industry Experience

Banking  
IT solution provider

## Functional Experience

Programmer  
Project leader  
Freelancer

## Systems Experience

Java  
C/C++  
Delphi/BCB  
VB/VB.net  
C#  
Unix shell script  
HTML  
Javascript  
vba  
Tomcat  
Oracle WebLogic  
Oracle  
DB2  
MS SQL  
MySQL  
PostgreSQL  
Windows  
Linux  
Unix

## Education

2009/09 -2011/06  
**National Taiwan Normal University, Taipei, Taiwan**  
MS, Computer Science and Information Management

1994/09-1998/06  
**National Cheng Kung University, Tainan, Taiwan**  
BS, Physics

## Languages

English, good  
Mandarin, native  
Cantonese, native

## Terry Lao

### Relevant Business Experience:

- 16+ years progressive experience in computer science and information management; being a Freelancer, project leader and programmer participated in various projects, using Java, C/C++, Delphi/BCB, C# etc.

### Relevant Career Experience:

<b>2001 – Present</b>	<b>Freelancer</b> Project History:P2-P5
<b>2000 – 2001</b>	慶燁科技股份有限公司 IT Specialist
<b>1999</b>	群豐資訊科技股份有限公司 Programmer
<b>1999</b>	華夏科技股份有限公司 Programmer

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## EXPERIENCE

**2001 – Present      Freelancer**

### Project History:

**04/2016 – 10/2016      Senior Consultant Contractor, HP Taiwan**

Project : CTCB POCKII development in Java and Oracle (中國信託商業銀行 POCKII 易付專案)

- 由中國信託商銀開發與 Yahoo 台灣整合的第三方支付系統。系統由 Tomcat 及 Oracle 11g 組成。使用到的 Java framework 是 Spring MVC。
- 報表開發：在沒有任何開發文件及只有口頭需求的情況下，在四次的反覆開發後，交付六張報表。
- 上線測試：協助測試整個流程，從建立帳號到交易完成。其中包括交易成功/失敗、退款成功/失敗、物流成功/失敗。
- 流程優化：提供系統金流處理方式的意見。

**01/2016 – 03/2016      APP design**

- Design Android APP for BBS wrap  
<https://play.google.com/store/apps/details?id=com.Conadesign.TuxedoCatptt>
- Design Android game  
<https://play.google.com/store/apps/details?id=com.conadesign.tuxedocatdarksangochess>

**11/2015 – 12/2015      Client : Sim2travel**

Project : SMS service system

- Design a system in Java and PostgreSQL SMS service system and transfer.
- Let customer upload what they want to send.
- Communicate with messaging gateway for sending message
- Provide report for charging to customer.

**04/2013 – 10/2015      Senior Consultant, Oracle Financial Service Global BU, Oracle Taiwan**

Project : 中國信託商銀法人金融網路銀行系統效能問題解決

- 系統由 Tomcat 及 Oracle 11g 組成；使用 Oracle FLEXCUBE DIRECT BANKING(FCDB)。
- Main response for Oracle FCUBS 12; support CTCB FCDB system performance problem identify and fix.
- Achievements:
  - Solved a product bug that due to dead lock, and provide performance enhance solution.
- Tools used: Java, PL/SQL, Oracle, AIX

Project : 台北富邦銀行新舊核心差異分析介面。

- Interface team leader of gaping in TFB (台北富邦) core system gaping project. Response for analysis TFB interface requirement and provide solution that fits with Oracle solution.
- Achievements:
  - Provide TFB a flexible architecture that fit with Oracle solution.

## 2012 – 2013

Internal Integrated System, Inc (iisigroup) 資拓宏宇

Client : 內政部戶政司戶政事務所 (Department of HouseHold Registration)

Project : 戶政系統

- 維護原有的戶政戶籍謄本申請系統，包括：
  1. VB6 客戶端
  2. ActiveX 元件使用 Windows and C
  3. 後台戶政通訊及自然人憑證檢合系統，使用 AIX and C
  4. 戶籍謄本 PDF 產生程式，使用 Java 及 iText
- 了解需求及設計新的 7-11 i-bon 支付戶籍謄本申請費用系統
- 配合新的自然人憑證加密方法，重新設計戶政戶籍謄本申請系統
- 完成 Java Applet 代替 ActiveX 的方案
- Tools used : C, Java, Informix, Tomcat
- Redesign web “Certificate IC Card” subsystem from ActiveX(C) to Applet(Java) and backend verification mechanism
- Design communication Encrypt subsystem
- Maintain and redesign a Java version of HouseHold Script apply web system by C-CGI
- Maintain HouseHold Script apply a Visual Basic 6 client
- Design a payment system for apply HouseHold Script from kiosk of 7-11 by Java
- Maintain HouseHold Script PDF generate system by Java

## 2011 – 2012

物件動力有限公司

Client : 衛生署 (Department of Health)

Project : 衛生署會簽系統 報表轉換

- 帶領三位成員，將原來約 300 多張的 crystal report 的報表，轉移 Tomcat + Jasper
- Tools used : J2EE, Oracle 9i, Tomcat
- Leading to design and develop a new framework for transfer from old reporting system to fit system new platform by Java and Tomcat with Jasper report

## 2009 – 2010

Client : Ministry of National Defense ROC 軍情局

Project : Broadcast System for Military Intelligence 廣播系統更新

- Decompile 原來的 Clipper 程式，得到原來的需求。
- 重談需求後，設計一個 client-server 版的系統。
- 使用 Delphi 及 Mysql 開發系統，使支持 6 種聲音格式，包括原來的.Voc 檔。
- Reconstruct the original system from DOS with Clipper and DBF(without source code & business flow document) to Windows with Delphi and Mysql.

## 2008 – 2009

敦陽科技股份有限公司

Client : 台灣期貨交易所(TAIFEX)

Project : 搓合系統升級

- 支援期交所的 64 bit 系統升級。
- 提供 in Linux 的 Perl 及 C 的工具做為 32 bit、64 bit 的 Log 及 Database 分析。
- Tools used : C, Perl, Oracle 9i, Sybase, Sun Solaris
- Support TAIFEX system upgrade to 64bit and migration project, for making log analyze and database schema verify tools by Perl and C.

## 2007 – 2008

慶燁科技股份有限公司

Client: 國泰世華銀行

Project: 分行 gateway 系統

- 設計 DB schema
- 設計災備與還原流程
- 設計與開發 IBM MQ monitor 程式，使用 Linux and C
- 設計與開發 Gateway Log 分析程式，使用 Windows and Delphi
- 設計與開發 gateway 的 SOA 介面及各種語言的 sample client，包括 VB6, C#, Java 及 PHP
- 設計與開發 LU6.2 及 TCP 連通測試程式，使用 AIX and C
- 設計與開發 AIX 的 HACMP script，使用 AIX and C
- Tools used : C, Delphi, HACMP, Oracle 9i, AIX 5L

## 2006 – 2007

電資系統股份有限公司(EDS Taiwan,原中國嘉通)

Client: JPMorgan Taiwan

Project: FIX protocol gateway

- Design and develop a FIX protocol gateway with HA supported for JPMorgan Taiwan, for trade Futures and Options with TAIFEX by Java and Sybase Financial Fusion Standard.
- Design and develop Enhance FIX gateway alert subsystem by Java.
- Design and develop a system that receive After-hour trading information from TAIFEX and extract them to Sybase.
- Tools used : Java, Oracle 9i, Sybase Financial Fusion Standard Ed

**2005 -- 2006**

威華達資訊有限公司

Client: 資策會 III

Project: 三合一系統、請假系統

- Tools used: asp.net, C#, Informix , IIS, C/cgi, Apache
- Programmer to fix and enhance the original system

**2004 -- 2005**

大同股份有限公司

Client: 郵局

Project: 航空快遞通關系統 Express System for Air

- Tools used: VB.net, Oracle 9i, Windows
- Assist to Taitung develop their Express System for post office. Also help them to design the algorithm for fast delivery package.

**2003 -- 2004**

亞太科技

Client: 某藥廠

Project: 入口網站 Portal full text search

- 使用龍捲風全文檢索系統以 Java 開發網站的全文檢索系統。
- Tools used: J2EE, Oracle 9i, Tomcat
- Design and develop an full text search function of this Portal.

**2002 -- 2003**

Client: 內政部資策會 III

Project: 長期照護系統、農委會審查系統

- J2EE, SQL server 2000, JBOSS, XML gateway; design and develop 長期照護系統
- J2EE, DB2, Weblogic; repair and reconstruct the original system of 農委會審查系統

**2002**

Client: 海關

Project: develop Express system

- Tools used: J2EE, Oracle 9i, Weblogic
- Assist Trade-Van (關貿網路公司) for develop Express system. Also support the client to fix bugs in Struts 1.0 and enhance the Javascript validator of Struts 1.0

**2001 -- 2002**

Client: SonyErricson

Project: JAVLIN performance boost 記帳系統 JAVLIN 加強

- 設計一個給 JAVLIN 使用的持久層，減少 JAVLIN 的 DB ACCESS。使用 STL 及 VC++ 6。
- Buildup a memory DB subsystem for JOVLIN(an accounting system), boost the performance for JAVLIN calculating.

**2000 -- 2001**

慶燁科技股份有限公司

*IT Specialist (Full-Time)*

Client: Taishin Bank 台新銀行

- Support ATM gateway development in C
- ATM web monitor design, develop by Java with Tomcat and

#### Oracle 8i

- A web ATM monitor page it fetch Gateway status Table and analysis the status
- Provide HTML format ATM status report for Bank
- Remittance monitor design and develop in C for server, in Delphi for client
  - Multithread Server communicate with Gateway through socket for reading Remittance status and amount
  - Server also support multiple client for reading remittance information
  - Windows Delphi client read information through socket to Server

**1999**

群豐資訊科技股份有限公司

Programmer

Client: 最高行政法院

Project: 分案及審查系統

- 參與開發其中的報表系統□，產生 HE5(漢書 5)的報表格式，使用 Java, Oracle 8 及 Websphere 。

**1999**

華夏科技股份有限公司

Programmer

Client: 空軍後勤基地

Project: Cobol 升級

- 原 Cobol 升級成 ACU Cobol 。

**1999**

博連資訊科技股份有限公司

Client: Morrison Express Taiwan

Project: Document System for custom house

- Bug fix; enhance transaction, reporting and UI; production support; new function design.