Don HO

Senior Software Engineer

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http://donho.github.io

Experience

2011 Now Senior Software Engineer at 4D

Wakanda

Wakanda is an open-source web application framework for developing web and mobile applications in JavaScript. It includes a database server (WakandaDB), a JavaScript framework (WAF), and Wakanda Studio, an integrated development environment.

- Extension System for Wakanda Studio
  The goal of Extension System for Wakanda Studio is to build a complete eco-system. It allows any Javascript developer to make extensions for extending Wakanda Studio capacities.

- Several extensions for Wakanda Studio
  Some core feature of Wakanda Studio are done in extension, such as Wakanda-git, Wakanda-js-beautifier and Wakanda-jslint extension.
- Maintenance and evaluation of Wakanda Studio

Wakanda website : www.wakanda.io
4D website : www.4d.com

C++ - Javascript - HTML5 - GIT - Perforce - Windows - MacOSX - Redmine - Trello - XML - JSON - Agile development - VS Studio 2013 - Xcode

2011 4 months Senior Software Engineer at Cooperteam

Cooperteam is a software publisher and Professional Service provider specialized in solutions which focus on the management of corporate messaging systems and groupware.
Cooperteam website : www.cooperteam.com

Several graphic Windows components in win32 API

C - win32 API - Visual Studio 2008 - Windows

2007 2011 Senior Software Engineer at Dictao

Dictao is a software company which provides security solutions for banks.
Dictao website : www.dictao.com

Middleware IAS for DGME

Middleware IAS is a cross-platform software. It allows client applications to exploit compliant cards featured with IAS-ECC technology.

Middleware IAS website : ants.gouv.fr/.../Pilote-carte-middleware

Cryptographie - PKCS#11 - Certificate - PKCS#12 - IAS API - APDU - C++ - CMake - Linux - MacOSX - Windows - makefile - gcc - Visual Studio 2003 - Xcode - vi - boost - wxWidget - InstallShield - SVN

Online contract for the bank LCL

It is a web application for online signing contracts for LCL bank clients. The application generates the certificate on the fly then uses it for signing the contract.

PKI - Electronic signature - Certificate - PKCS#12 - C# - ASP.NET - Javascript - Windows Server 2003 - IIS6 - Active Directory - Visual Studio 2005 - Adobe PDF reader - SVN

`2005` `2006`   Dev team leader at VEM Technologies

VEM Technologies is an unit externalized by SFR. The company developes the website of mobile (Mobile Wap) for SFR.

Mobile Wap for SFR

Coordination and participation (database conception, specifications / platform development) projects and services for SFR.

PHP - MySQL - phpMyAdmin - Java - Linux - Debian - Windows - Mobile Wap

`2001` `2005`   Software Engineer at Oberthur Card System

Oberthur Card System is a smartcard company which provids secure technology solutions for Smart Transactions.
Oberthur website : www.oberthur.com

Cryptonite

Build high level cryptographic libarary by using co-processor IBM 4758 (HSM). The libary is used for protecting personal data during the smartcard production.

Cryptography - APDU - C++ - C - Visual Studio 6 - MFC - STL - win32 API - Rational Rose - TCP/IP - Client / Server

SIMRip

SIMRip is an extracting smartcard image software for dumping the image to smartcards during their personalization. Such procedure accelarates the production during smartcards personalization.

Cryptography - APDU - C++ - C - Visual Studio 6 - MFC

Pre-compilator Project

Pre-compilator is a tool for the production of smartcard of GSM.

Cryptography - APDU - C++ - C - Visual Studio 6 - MFC - Java - JDK

Personal projects

Notepad++

Notepad++ is a free (as in "free speech" and also as in "free beer") source code editor and Notepad replacement that supports several languages. Running in the MS Windows environment, its use is governed by GPL License.

- Software design / architecture / implementation / documentation / testing...

Notepad++ website : notepad-plus-plus.org
git (sources) : github.com/notepad-plus-plus/notepad-plus-plus

C++11 - win32 API - win32 API OOP encapsulation - STL - GIT - Windows -
Multilingue architecture - Plugin system architecture - XML - NSIS - Visual Studio 2013

WinGup (Generic Updater for Windows)

WinGup is a Generic Updater running under Windows environment. The aim of WinGup is to provide a ready to use and configurable updater which downloads a update package then installs it.

- Software design / architecture / implementation / documentation / testing...

WinGup website : wingup.org
git (sources) : github.com/donho/wingup.git

C - win32 API - STL - GIT - Windows - cURL Lib - XML - Visual Studio 2013

Notepad++ plugins

Notepad++ plugins contains some demo plugins and main default plugins set for including in Notepad++ official release.

Notepad++ plugins website : github.com/npp-plugins

C - C++ - win32 API - STL - GIT - Windows - XML - Visual Studio 2005

Languages

★★★   C/C++, Javascript, C#, Java, php
★★☆   Nany, Objective-C, Pascal
★☆☆   Lisp, TeX, PostScript, OCaml, Perl

Web

PHP - Javascript - html5 - CSS3 - MySQL

Other

wxWidgets - XML

GIT - SVN - Perforce - Latex - Visual Studio - Eclipse - Xcode - vim

2001   Post-graduate diploma (DESS)

Major : Computer Science at Paris Diderot University

2000   Master's degree

Major : Computer Science at Paris Diderot University

1999   Bachelor's degree

Major : Computer Science at Paris Diderot University

Paris Diderot University website : www.univ-paris-diderot.fr

Languages

- English
- French
- Chinese

Sport

- Inline skates
- Snowboard