

Don HO

Senior Software Engineer

→ <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 make a (some) extensions to extend the capacity of Wakanda Studio.
- Several extensions for Wakanda Studio
Some core feature of Wakanda Studio are done in extension, such as Wakanda-git, Wakanda-js-beautifier and Wakanda-jshint 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 - 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 the security solution for the banks. Dictao website : www.dictao.com

Middleware IAS for DGME

Middleware IAS is a cross-platform software installing on the user computer and enabling client applications to exploit the features of compliant cards with IAS-ECC technology.

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

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

Online contract for the bank LCL

It's a web application of the contract signature on line for the bank LCL clients. The application generates the certificate on the fly then provide it to LCL clients for signing the contract.

PKI - Electronic signature - 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 provides secure technology solutions for Smart Transactions. Oberthur website : www.oberthur.com

Cryptonite Project

Build high level cryptographic library by using co-processor IBM 4758 (HSM). The library 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 Project

SIMRip is a software for extracting smartcard image for dumping the image to the smartcards during their personalization. Such procedure accelerates the production during the personalization of smartcards.

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

Project Cryptonite

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

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

Spare Time

spare time

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 / testing...

Notepad++ website : notepad-plus-plus.org

git (sources) : github.com/notepad-plus-plus/notepad-plus-plus

C++11 win32 API - STL - Windows - XML - 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 / testing...

WinGup website : wingup.org

git (sources) : github.com/donho/wingup.git

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

Notepad++ plugins

Notepad++ plugins website : github.com/npp-plugins (hosting, technical conception)

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

Skills

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

Education

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