

Salvatore Fresta – Curriculum Vitae – Jul, 09/2009

Personal details

Salvatore Fresta

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Overview

I am an italian **developer** and a **security researcher** currently located in Santa Venerina (Catania).

I have many years of experience in managing and **writing software for GNU/Linux** and **Unix-Like** operating systems, but I have developed for Microsoft Windows also.

I have particular interests in security flaws. I am specialized in the **auditing and exploiting** of **web applications**, but I extend my security interests in many other fields such as networking.

Currently some of my security advisories are released to the biggest security websites on the Internet, such as **securityfocus.com**, governmentsecurity.org and milw0rm.com.

Education and Qualification

From 2003 to 2009 I.T.I.S "G. Ferraris" High School (Acireale) – **Computer Science**.

ECDL European Computer Driving Licence.

CWNP Wireless# certification.

Although I studied Computer Science at school I built my own knowledge as an autodidact.

Languages

My native language is Italian, but I am fluent in specialised information technology **English** and I have an intermediate level of spoken and written English.

Working Experiences

(October 2007) Sysadmin at "Studio Legale Siragusa".

I installed and configured a fast and secure WLAN based on WiFi technologie.

(Dicember 2007) Web developer at "Studio Legale Siragusa".

I wrote a web application for laws managment.

(February 2008) Web developer for Massimiliano Rinaldi engineer.

I wrote an embedded e-learning web application used for the management of I.F.T.S. courses.

(July 2008) Computer Scienze University Private lessons.

I taught a university student privately for an information technology exam, that he passed with the highest mark (30 e lode).

Other Experiences

(2007) Publication of the book "L'insicurezza dello standard IEEE 802.11".

I wrote and released a security WiFi book where I reported the security meaning and the main penetration techniques used to bypass WLAN security restrictions.

(2007) Conferences on WiFi security flaws.

I organised a conference on WiFi networking at the Institute ITIS "G. Ferraris" - Acireale (3 days).

(October 2008) Workshop on electronic spy techniques.

I organised a workshop on the main spying techniques.

(March 2009) MediaShow.

I participated in the XI multimedia olympics.

(May, 23/2009) Web Applications Security Workshop.

I organised a workshop on web applications security where I reported several security flaws.

Skill Details

Operating Systems:

GNU/Linux: mainly Debian based distributions.

OpenBSD: I have used it to set up VPNs.

Mac OSX Leopard: amateur use.

Microsoft Windows: all versions before 2008.

Programming Languages:

Languages: **C** in Unix-Like and Microsoft environments (able to write network analysis software at low and high layers as well as simple Linux kernel modules), **Visual basic**.

Highlevel/Interpreted: **PHP**, able to write dynamic and secure web applications, **Perl** and **Java**.

Scripting Languages: Shell scripting programming (**bash**).

Markup Languages: HTML 4.01, XHTML, CSS 2.0.

Database: excellent knowledge of **SQL** on **MySQL**.

I have some knowledge of Assembly 8086 and Javascript.

Software developing techniques:

I have a very good knowledge of **POSIX** and **ANSI** standards.

When I am developing a web application I respect **W3C** standard for browser compatibility.

Achievements

(2008-2009) AOCTS – Asynchronous Online Computers Tracking System.

I wrote an online computers tracking system in C language for Unix-Like operating system. (www.aocts.net)

Hobbies

I like reading books and watching films.

I have practiced **Wushu Kung Fu** since 2001. In these years I achieved the degree of **first chen**. I have participated and won **three gold medals** and **one silver medal** at the **world championships** in 2004 and 2006 – ZhengZhou, China.

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