

Scott Tsai

Software Developer at AWIT

scott.tw@gmail.com

Summary

Device driver, firmware, system software developer. Open source contributor, Linux enthusiast. Worked in several Taiwanese consumer electronics companies, a big multinational corporation and a Silicon Valley startup.

Specialties

Device Drivers, Linux, Kernel, ISO 13818, DVB, Set-Top Box, TV

Experience

Software Developer at AWIT

March 2010 - March 2012 (2 years 1 month)

Mobile P2P Networking Stack, Zero configuration VPN

Linux Consultant at Compal Communication Integration

July 2009 - October 2009 (4 months)

Embedded Linux training and consulting.

Organizer at FreedomHEC Taipei

May 2009 - June 2009 (2 months)

I helped organize and attempted realtime English to Mandarin translation at the FreedomHEC Taipei 2009 conference: <http://lwn.net/Articles/337314/>

Set-Top Box Developer at Motorola

September 2006 - December 2008 (2 years 4 months)

Set-Top Box Device Drivers, DVR Engine with Time Shift Buffer, JVM Integration, Embedded Linux development support, Manufacturing Test software support.

Linux platform "Acting Technical Lead" for an MHP set-top-box with two DVB-C and two DVB-T tuners at Motorola Taiwan Technology Center. Part time Mercurial, TWiki, Trac server administration.

I recommendation available upon request

Software Developer at Arima

January 2006 - July 2006 (7 months)

IPMI Server monitoring software and BIOS update utilities under Linux. Contributed some patches to the 'flashrom' utility in coreboot (a.k.a. LinuxBIOS).

Firmware Developer at Tatung

April 2003 - April 2004 (1 year 1 month)

LCDTV firmware on the "count your stack use by the byte" 8051 microcontroller beloved by Taiwanese engineers. Contact window for the German customer in that ODM project. LCD analyzer and TV Signal Generator automation. Just-in-time, next to the assembly line firmware update support -- lots of fun.

Collaborated with Microsoft's eHOME department on an exploratory hardware project that combined a TV with a Set-Top Box. My manager was the (in)famous computer virus author CIH, learned a lot about the x86 MMU, protected mode and embedded Linux tricks from him.

Projects

<http://code.google.com/p/itrs-test3/>

May 2010 to October 2010

Members: Scott Tsai, Po-Wei Wang

An online-judge system that bundles its own Linux VM and web UI. Students could edit, compile and test their programs directly in their browsers. Powered by QEMU, Python, Javascript, HTML and CSS with an integration build system in GNU make.

Skills & Expertise

Device Drivers

Linux

Microcontrollers

Television

Set Top Box

Kernel

DVB

Linux Kernel

Embedded Systems

Embedded Linux

Python

Digital TV

JavaScript

Education

Soochow University, Taiwan

BA, Business Administration, 2005 - 2010

Chih Jen Vocational School

High School, 2000 - 2001

HSNU

1998 - 2000

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1 person has recommended Scott

"Scott is a superman. He is the man equal to a team of 5 engineers. It looks to me that he could develop or fix anything written in programming language. I learned a lot from him about Linux. Also, his passion to Linux impressed me a lot."

— **Elvin Kao**, *Software manager, Motorola*, managed Scott at Motorola

[Contact Scott on LinkedIn](#)