

CHRIS SCUTCHER

PROGRAMMER

ABOUT

Chris is a passionate engineer with an MEng in Computer Engineering. While his preferred environment is Linux and Python, he is very flexible with a wide variety of skills. Outside of work he enjoys eclectic music, geekery, video games, science and politics.

WORK EXPERIENCE

Cisco (formerly Tandberg)

<http://www.cisco.com>

August 2010 - Present

Software Engineer

Developer and architect on a number of video conferencing products including VCS and Conductor.

Highlights

- Key architect on Conductor, a product used to manage resources for large scale video conferences. Responsible for entire codebase from custom Linux platform, backend with heavy use of Python, Twisted and Erlang, and frontend in PHP and Javascript. (2010-2015)
- Developer on VCS Expressway. This product combines the functions of SIP registrar, H323 gateways, provides Lync interopt and does firewall traversal amongst many other things (aka Skype for grown ups). Responsible for entire codebase including custom Linux platform, backend using C++, Python, Twisted and Erlang, and frontend code written in PHP and Javascript.
- Modernised CI system from SVN to BitBucket based Git with DSL based jobs with Jenkins 2.0 using OpenStack and Docker extensively.
- Working in small scrum team within a larger group using pair programming and a number of other agile techniques.

Critical Software Technologies Ltd

<http://www.criticalsoftware.com/>

July 2008 - August 2010

Software Engineer

Software Engineer developing and validating safety critical software for the aerospace, transport and defense industries.

CONTACT



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<http://www.ninebysix.co.uk>



LinkedIn
cscutcher



GitHub
cscutcher

EDUCATION

2004 - 2010 University of Southampton

🎓 Masters 2:1

MEng Computer Engineering / Digital Systems Engineering

Courses

- Evolution of Complexity
- Advanced Computer Architecture
- Digital System Design
- Advanced Computer Networks
- Real-Time Computing and Embedded Systems
- Biologically Inspired Robotics

SKILLS

Python Master

Highlights

- ◀ Project lead on SHARE project to facilitate open source software code sharing and utilisation within the embedded system domain, creating a nurturing environment for applications and solutions. SHARE is an international project made up of a consortium of companies.
- ◀ Project lead on project to develop open source toolchain for development of certified DO-178B safety critical software. This work in part lead to developing a Django based tool which interacts with LDRA and other tools.
- ◀ Validation and verification for C software running on embedded target for DO-178B using LDRA.

Electron Dynamics

🌐 <http://www.electrondynamics.co.uk/>

January 2008 - June 2008

Software Engineer

Drupal based dynamic website development.

NXP

🌐 <http://www.nxp.com/>

June 2007 - October 2007

Software Engineer

Development and implementation of innovative embedded GUI for IP-TV using DirectFB, C, C++ on a Linux platform.

Twisted Asynchronous Code

Zope Backend development

Django

Linux based Development Master

Ubuntu, Debian, Arch Git

Open-Source Jenkins

Misc relevant technologies Strong

Docker C++ Erlang

LUA LDRA

♥ INTERESTS

Professional

Bioinspired Engineering

Collaboration/Telepresence

Open-Source

Emergent Systems

Personal

Music Video Games

Politics

Causes

Animal Welfare Human Rights

Promotion of Science and Technology

✓ REFERENCES

Chris is very positive, creative, lively and hard working engineer who will always help get the most out of a team. He is intelligent and will often have a unique angle on a problem. Chris is also very willing to learn and is always seeking for ways to improve. I have no hesitation in recommending Chris.

— Simon Kampa (CEO at Senseye)