Chris Scutcher

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Education

MEng Computer Engineering / Digital Systems Engineering - Masters 2:1
University of Southampton [2010]

Employment

Cisco (formerly Tandberg) - Software Engineer   2010 - present

Developer and architect on a number of video conferencing products including VCS and Conductor. 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 - Software Engineer   2008 - 2010

Software Engineer developing and validating safety critical software for the aerospace, transport and defense industries.
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 - Software Engineer   2008 - 2008

Drupal based dynamic website development.

NXP - Software Engineer   2007 - 2007

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

Technology Experience

Python

Twisted

Asynchronous Code

Zope

Backend development

Django

Linux based Development

Ubuntu, Debian, Arch

Git

Open-Source

Jenkins

Misc relevant technologies

Docker

C++

Erlang

LUA

LDRA

Interests

Bioinspired Engineering

Collaboration/Telepresence

Open-Source

Emergent Systems

Music

Video Games

Politics

Animal Welfare

Human Rights

Promotion of Science and Technology

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