

— Introduction —

Highly experienced C++ engineer

Wide knowledge of software technologies

Able to acquire additional skills

Often stood in to cover gaps in teams

Sysops experience

Some managerial, architectural, team leading and project management experience

MSDN subscriber

Sample code: <https://github.com/devongarde/ssc>

— Sectors —

IT security

government

medical

communications

financial

industrial

— Technologies —

Visual Studio, msvc, clang, gcc

Linux, BSD, unix APIs

Multithreading

Security

Cross-Platform

CMake

Windows API

COM/DCOM

Real time

Embedded

DSPs

(more in the past, please ask)

— Sysops —

multi-platform networks

Azure hybrid cloud

Windows domains (from NT!)

Linux (centos), OpenBSD

(more in the past, please ask)

— Ontologies —

(technical, not semantic)

schema.org

dublin core

owl

microformats

(many more, please ask)

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<https://dylanharris.org/>

<https://ssc.lu/>

UK & Luxembourg nationality

For remote work in the EU / EEA

— Spoken —

English (mother tongue)

French (spoken at home)

Luxembourgish (B1.1)

German (A2)

Dutch (was A2, rusty),

Mandarin (absolute beginner)

— Languages —

C++ 98/3/11/14/17/20

Python 3 (and 2)

bash and bashalikes

Ansible

HTML and related

some powershell

(more in the past, please ask)

— Systems —

Windows from 1987

unix from 1982

Linux from 1990s

MacOS from 10.2

OpenBSD from 2.8

— Libraries —

boost

libcurl

OpenSSL

(more in the past, please ask)

— Experience —

Ivanti, October 2021–October 2022, developer, remote working

C++ developer with Python, Perl, and unix shell script under Centos.

Help renew a security product.

Company previously called Lumension and Secure Wave SA.

Static Site Checker, October 2020 onwards, project, Esch-sur-Alzette, Luxembourg, <https://ssc.lu/>

SSC verifies static web sites.

Visual Studio, clang, gcc, C++, HTML, XHTML, SVG, MathML, multithreading, CMake, boost, libcurl.

Standards verified: HTML 1 to living standard, related standards, many ontologies, microformats.

Cross-platform to Windows, Linux (centos/ubuntu/SuSE/etc.), MacOS, OpenBSD, FreeBSD.

The open source code is on github (<https://github.com/devongarde/ssc>).

Sogeti (mostly European Commission), May 2014–October 2020, developer / sysdevops, Luxembourg

Azure / Linux sysdevops admin: bash, powershell, ansible.

Maintain middleware layer.

C++, gcc, Centos 5/7, bash, python, ssh, boost, subversion, git, nagios, nrpe, enterprise architecture.

For machine translation.

Contract came to natural end.

Lumension, September 2012–January 2014, Senior Software Engineer, security, Betrange, Luxembourg

Maintaining device control security products.

Added print shadowing features.

Analysed and wrote requirements to adapt product to updated security standards.

Agile & scrum with training from Agile 42.

Visual C++ 08/10/12; Win SDK, OpenSSL, boost, RPC, TFS, vmware, ASP.

Company ran out of money.

Civolution, February–August 2012, contract, television, Eindhoven, the Netherlands

Automate TV monitoring service tests.

Windows, Centos,

Python, Robot Ride, Selenium.

Left for personal reasons.

Thomson Reuters, December 2009–February 2012, contract, finance, Paris

Build C++ framework to test financial middleware

Windows, C++, Visual Studio 2005/2010, STL, boost, XML, ODBC, MySQL, RPC, multithreading, multiprocessing,

Win SDK, PIXL, RFA.

Python for testing.

Contract ended (French law makes staying in a contract for more than 2 years complicated).

Wormfest, April 2009–December 2009, voluntary, poetry festival, Dublin, Ireland

In Dublin, I set up and ran *wormfest*, an avant-garde poetry festival, aided by two colleagues.

Cybertrust, March 2008–April 2009, Senior Software Engineer, security, Dublin, Ireland

PKI application suite maintenance, some Solaris sysadmin.

Solaris 8/10, Windows XP/2003/Vista

Visual Studio 6/2003/2005/2008, Sun Studio

WTL, STL, ATL, Oracle 9, perforce, AEP Keyper, XML, PKI.

Cochlear, November 2006–January 2008, contract, health, Mechlen, Belgium

Develop C++ emulator for multi-core DSP to medical standards in a small hardware team.

Create Python GUI for others to develop DSP code, and use it to write a test suite.

VC++ 2005, gcc 3.4, STL, boost, Python 2, SystemC, cygwin, perforce, Lint.

Secure Wave SA, May 2006–October 2006, contract, computer security, Betrange, Luxembourg

Develop support products in C++, & debug core product.

Design, implement multi-threading library (on ATL thread pool).

Design, implement networked PC device scanner.

VC++ 2003, STL, ATL, WTL, Platform SDK, Windows Shell, Lint, TCP/IP, multi-threading, VSS.

(more in the past, please ask)

September 2022

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— Business —

Sole Trader, 2021, onwards

Necessary in Luxembourg to work as a cross-border contractor.

Corrupt Press, 2011 onwards, informal

A small poetry publisher: www.corruptpress.com. Was a Scottish Limited Company until 2016. Spare time stuff.

wurm im apfel, Ireland, 2009, partnership

Set up, organise and run many poetry activities, including avant-garde poetry festival noted above.

Cyberspace Services Ltd., UK, 1993–2003, limited company

One man company offering computing consultancy services. Standard UK contractor activity.

DT Travel Ltd., UK, late 1990s, limited companies

Set up, part funded, and acted as chairman of this small company.

— Training & Education —

University of Luxembourg, 2021 : Chinese A1.1

INL, 2020/2021 : German A2.2

Devoteam, 2018: 20533 - Implementing Microsoft Azure Infrastructure Solutions

Pro Lingua, 2015–2017: Luxembourgish evening & conversation classes. Passed the Sproochentest.

Agile 42, Scrum Training: whilst working at Lumension

Trinity College, Dublin, October 2008–February 2009: Dutch evening classes

L'Alliance Française, June 2008–April 2009: French evening classes

CVO, Mechelen, 2007: Dutch evening classes

Hochschule Bremen, July, August 2007: full time German

Thames Polytechnic (now University of Greenwich), 1978–1981: a 2:1 in Computing Science (CNAAB)

Bedford School: 9 O'Levels, A'Levels in Maths, Physics and Chemistry

— Arts —

I've five poetry collections and five photography artist's books published. Details on my website.