François Génolini

Aberdeen
Scotland, UK   fgenolini at hotmail dot com

Computer programmer

Agile test driven development

Digital video, HD video
Desktop computer software engineering for the Oil and Gas industry
Specialties: C#, .Net, Windows, OSX, Linux, GIS, video

Experience

Software engineer

2000 - Present

Subsea 7

Aberdeen, Scotland, UK

HD video and inspection software for offshore Oil and Gas installations and pipeline systems. Agile software development using Microsoft Team Foundation Server (TFS). Technical support, survey vessel mobilisation. GIS custom applications with ESRI ArcObjects API for Java and C# .Net. C#, C++ and Java under Microsoft Windows. Write software tools for data processing, charting and reporting for ROV and pipeline position, subsea terrain data. Swift and Objective-C on OSX

Software engineer

1998 - 2000

Appsmart

Aberdeen, Scotland, UK

Datawarehousing, data mart. Delphi under Microsoft Windows, programming SQL server, repository, and OLAP. COM and OLE automation of Office applications to report on datamarts

Software engineer

1996 - 1998

Fugro - UDI

Aberdeen, Scotland, UK

Offshore Oil and Gas survey. C++ under Sun Solaris and Microsoft Windows. Write software tools for data processing, charting and reporting for ROV and pipeline position, subsea terrain data

Software engineer

1995 - 1996

Stolt Comex Seaway

Aberdeen, Scotland, UK

	Offshore Oil and Gas survey. C and C++ under HP-UX. Write software tools for data processing, charting and reporting for ROV and pipeline position, subsea terrain data
Research assistant	University of Westminster
1990 - 1995	London, UK
	System administration for SunOS and Solaris UNIX computer, message passing transputer based multi-processor machine. Linux, Windows and network programming. C, C++, Occam2

Skills

Linux	System administration, C / C++ programming, bash shell scripting
1992 - present	From the very beginnings of Linux to present day Ubuntu, used Linux for research, testing and software development, as well as server side work
C#	Windows .Net and Mono programming. WPF desktop applications
2002 - present	Started with Windows Forms in Visual Studio .Net 2002. Mostly WPF with Visual Studio 2013, and some low level C# for Mono on Linux
C / C++	Linux, Windows, .Net, OSX. Low level code
1988 - present	From early BSD and SysV UNIX coding on Apollo and HP computers to modern desktop Windows PC and Apple devices. Low level COM / OLE DLL implementation, efficient device communication, complex data processing algorithms for offshore subsea position determination and survey.

Education

ESTE	Engineer's degree, computer and electronics
1988 - 1990	Marne la Vallée (Paris, France), groupe ESIEE

Interests

Amateur musician (string bass instruments), walking, design