DAVID CORVOYSIER

SENIOR SOFTWARE ENGINEER, OPEN SOURCE ENTHOUSIAST

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Main Skills

Web Standards	Software Engineering	Embedded systems
HTML5	C/C++, Javascript	IntelCE, Raspberry Pi
CSS3	WebGL, nodejs	buildroot
ECMAScript	subversion, git	Cross-compilation

Other Skills

Graphics	Internet Protocols	Open Source
Cairo, Qt	XMPP	GStreamer
OpenGL ES	SIP/SIMPLE	WebKit
Wayland, DirectFB	WAMP	

Experience

2014- : **FT/Orange** - *Senior Software Engineer - TV products*

Develop a middleware for Orange set-top-boxes allowing the seamless integration of native and web applications (Wayland/Open GL ES, DBus, WebSockets).

2007-2013 : **FT/Orange** - *Senior R&D Engineer - TV & STB browsers*
Write Orange TV browser specifications. Provide support to application developers. Participate in Web & TV standardization (W3C,Open IPTV Forum,DLNA). Provide reference native Web & TV clients based on Open Source components (WebKit, GStreamer), push corresponding patches upstream.

2001-2007 : **FT/Orange** - *Senior R&D Engineer - Instant Messaging*
Write FT/Orange Presence Server specifications. Participate in Instant Messaging standardization (IETF,JSF). Technical Project Manager on FT/Orange "Le Messager" Instant Messaging Server project.

1999-2001 : **Sema Group Telecom** - *Project Manager - Telecommunications*
Head of a team of 10-15 people working on several subcontracting projects for FT/Orange (including the web self-care).

1996-1999 : **AQL** - *Software Engineer - Telecommunications*
Developer and Project Manager (1-5 people)

Portfolio

orangemark - *Orange Browser Graphics Performance Test Suite*

An automated Test Suite to benchmark browser graphics (CSS3,Canvas,WebGL)

dashdemux - *GStreamer DASH demux*
GStreamer plugin allowing the playback of MPEG DASH streams

Glimp: - *A WebGL Image Processing Library*
Javascript Library for image processing using WebGL (gaussian kernels, morphology, background subtraction, skin detection, haar cascades)

wamp.rt - *WAMP V2 Router*
Basic WebSocket Application Messaging Protocol (WAMP) V2 router library

Education

1993-1995 : Ecole des Mines de Paris

Engineer's degree (Master's Degree) - Project Management & Product Design

1990-1993 : Ecole Polytechnique
Engineer's degree (Master's Degree) - Applied Mathematics and Mechanics

Languages

English	German	Japanese
Fluent	Moderate	Basic