

CONTACT

<https://www.pierrelobel.fr>

Lien LinkedIn:

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PIERRE LOBEL



Sr. Software Engineer

WORKS

- 2020** ● **Sr. System Engineer @ Impact Eng.**
Development of Image Processing algorithms for Xiaomi premium smartphones
- 2019** ● **Sr. System Engineer @ Valeo**
Design of Remote Parking feature
- 2018** ● **Sr. Software Engineer @ DxO Labs**
Design & development of DxO ONE camera firmware
Wi-Fi communication on Linux OS
Real-time camera control on RTOS
Camera control API in Json
- 2015** ● **Software Architect @ CISCO**
Design & development of DVB and OTT players in STB middlewares
Video tag management on Linux OS
Video player control API in Json
- 2013** ● **Sr. software engineer @ NDS**
Design & development of Media-highway STB middlewares for worldwide digital TV broadcast operators (DVB-S2, DVB-T, DVB-IP)
Conditional Access System integration for Videoguard & Nagra encryption systems
Development of Personal Video Recorder system for Mediahighway
- 2000** ● **Software engineer @ ALTEN**
Development of interactive applications for STB middlewares
- 1998** ● **Research scientist**
Post-doctoral positions in Sarrelandes University (Germany) & I3S laboratory (CNRS, France)
Algorithms for non-destructive testing, target identification & medical imaging
- 1996** ● **PhD researcher @ I3S, CNRS**
algorithms for medical imaging
edge-preserving regularization
Speaker in IEEE international conferences
Teacher in computer science in engineering schools & universities

EDUCATION

- 1996** ● **Doctor in Sciences (with honors)**
Université de Nice - Sophia Antipolis
- 1993** ● **DEA TTI (with honors)**
Université de Nice - Sophia Antipolis
- 1993** ● **Engineer of ESSI**
Université de Nice - Sophia Antipolis

SKILLS

LANGUAGES	C, C++, Python	
	Json-schema	
	Bash	
OS	Linux	
	ThreadX (RTOS)	
	Windows	
WEB	Json	
	HTML5	
TOOLS	Git, Jira, Stash	
	Confluence, Jenkins	
	Buildroot	
	Yocto	
OPEN-SOURCES	DBus, Hostapd	
	WPA-Supplicant,	
	GStreamer	
	OpenCV, Numpy	
	Video4Linux	
METHODOLOGY	Agile (Scrum, Kanban)	

MORE INFORMATIONS

LANGUAGES	French (notive), English (fluent)
AVAILABILITY	3 months

INTERESTS

SCUBA-DIVING	CMAS 3*
PHOTOGRAPHY	Wildlife photography @ BIOS photo agency