

CONTACT

www.linkedin.com/in/pierrelobel

PIERRE LOBEL



Sr. Software Engineer

WORKS

- 2021...** • **Sr. Soft. Engineer** @ Direction du Budget
Development of Applications
- 2021** • **Sr. System Engineer** @ Impact Eng.
Development of Image Processing algorithms for Xiaomi 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** @ ALTEA
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