ABOUT

I'm a young entrepreneur & software developer with a strong focus on C++ & Javascript.

Proficient in requirements engineering, software development & effort estimation.

Experimented in managing product releases with tight schedules, leading on and off-site development and dealing with user feedback.

Enthusiast Open Source contributor.

Damien BUHL
Fully Full-Stack Software Developer

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📞 + 41 78 984 08 13   🇨🇭🇫🇷 Swiss & French

EXPERIENCE

Software Developer
2020 - current

Endress+Hauser Digital Solutions – Reinach, Baselland
- Software architect for the Internet of Things gateway to netilion.io cloud (C++, Typescript, WebAssembly)

BUHL Software – Basel
Consulting (In-car smartphone for swiss police vehicle with Bluetooth, Linphone, Yocto, Hunter) & product development (nxxm.io)

Software Developer
2008 - 2020

Fr. Sauter AG – Basel
- Lead Expert Cybersecurity, C++, Boost, CMake & Git
- Leading software development internships
- Lead developer main IoT product: PLC (arm, x86, ppc)
- Cryptographic license system for embedded devices
- HTML5 Big Data Historian for NAND Storage
- Optimisations & fixes linux kernel

Software Developer
2009 - 2010

ICI Development – Mulhouse
Web & Software Developments in relationship to customers Requirements engineering & development in Delphi, PHP & JS.

PRODUCTS

SAUTER Modulo 6
2019

Blockchain capable Programmable Logic Controller
Key role in the A8 development + market launch. Project lead for the S IoT Sauter Blockchain. Video : https://youtu.be/w_zsCKMOxZE

nxxm.io
2018

WebAssembly Package & Upgrade Manager
Development, Documentation, Marketing & Release of the first version, presented in a recorded talk at the CppCon Conference in Seattle.
Video: https://youtu.be/QPJPS-Jjb-g Slides: https://bit.ly/31z31fz

AS521, RC504 and variants
2014 - 2017

Programmable Logic Controller & Room Management Device
Active role as Linux Embedded & C++ expert in a team of 6 devs (C++11, Yocto, Linux, RS485, CAN, BACnet Certification, HTTP, REST).

moduWeb Vision
2009 - 2014

Scalable Web Visualization Software for buildings
Active collaboration with Test and 20 devs to define API and ship releases on-schedule (HTML5, Js, C++, Java).

EDUCATION

Software Engineer
2007 - 2011

eXia.Cesi – Strasbourg
Graduated 1st of my promotion.

Literature & Mathematics
2007

Lycée Michel de Montaigne - Mulhouse
A-level With Honors.

LANGUAGES

English
German
French

Written & Spoken. TOEIC – 950 points. Daily use, Conferences Talks.
Secondary Mother Tongue swiss-german. Daily use.
Mother Tongue. Daily use.

Personal Projects

nxxm - Main Author
nxxm.github.io

xxhr - Main Author
nxxm.github.io/xxhr

Boost.Fusion Adapted
boost.org

Qt for Android - Contributor
necessitas.kde.org

SKILLS

LANGUAGES & LIBRARIES
C++17
- std::, boost::, Qt
- llvm & libclang
- emscripten / WebAssembly

Javascript / HTML5
- Angular / Vue.js
- jQuery

C for linux kernel

Java
- JNI / SWIG
- Android NDK

C#
- WCF, WPF, LinQ, .NET Core

OPERATING SYSTEMS
Linux, macOS, Windows, iOS, Android, FreeRTOS

TOOLS
- CMake, Autotools, Yocto
- Azure Devops, Docker, Travis-CI, Jenkins
- MongoDB, RethinkDB, SQLite
- Asciidoctor, MS Project
- Git, Vim, Visual Studio Code

INTERESTS

- meetup.com/basel-devs **event organizer**
- gamemaker.fr **founder in 2003**
- **Friends & Wine tasting**
- **Reading, Hiking & Creating Tech products**
- **Sports (regular): Crossfit, Mountain Bike & Krav Maga**