

Last name           POUSSE  
First name           Sélim  
Address              Blüemlisalpweg 32, 3123 Belp  
Phone                +41 (0)79 543 48 03  
Email                 [selim.pousse@gmail.com](mailto:selim.pousse@gmail.com)  
Website              <http://pousse.systems>



## Details

Nationality           Swiss French  
Date of Birth         1981  
Marital Status       Married, 2 children  
Work Status          **Independent Contractor**

## Languages

French                Native  
English               Fluent in speech, high level of comprehension, writing and reading ability  
German                spoken at home, intermediate level of writing and reading ability

## About me

I have 16 years of work experience, first in Embedded Software Engineering, second in web applications. I have been involved in many international projects with the experience to work under pressure.

The people around me say I am productive and reliable.

I am also a good team player and I like to share my knowledge and keep learning new things to stay up to date, especially about new technology concepts.

## Experiences

- Oct 2013 - Jul 2022      Software Engineer at **Wabtec Corp**, Global Provider of Passenger information Systems in the Railway industry, Bern - Switzerland  
*GitLab, DevOps, Linux multi-Arch, MQTT, C++ 11, Qt5, SQLite, Python, VM / Docker, C# .Net / WPF, Vue.js, Sphinx.*
- I was responsible for all the in-house and client-based back-end development assignments. I take pride in having helped the company under pressure to deliver various products on time by constantly evaluating their qualities via test automation :**
- Hardware-related development of object-oriented software with internal framework manufacturers (Linux, C++, Python, MQTT).
  - Unit and System test automatisisation for regression detection (Python)
  - Development of Linux services and multi-platform virtualization services (Bash, Docker Container, DevOps).
  - Packaging of the developed softwares with their root file systems under linux distributions (PTXdist, Yocto).
  - Development of Desktop applications for Linux and MS Window distributions (Qt5, C# .NET, MS Visual Studio, VStudio Code, Git)
  - Development of web applications for TFT screens and HMI devices (Wt framework, Javascript, Vue.js)
  - Definition of SW architecture and design of specific PIS Project or framework components (UML, Enterprise Architecture)
  - Creation of technical specifications and documentation (Sphinx).
  - Analysis of customer requirements and translation from business requirements to technical solutions.
  - Technical support and supervision of a small team of 3-4 developers.
  - Analysis and troubleshooting in networks (TCP/IP, Wireshark).
  - Implementation and Test Integration of a Media Streamer for audio devices and TFT screens (C++, GStreamer / FFmpeg).
  - Execution of laboratory tests, commissioning and support for test drives.
- Apr 2011 - Apr 2013      Consultant BI at **Synchrotech SA**, consulting firm in BI, Martigny - Switzerland  
*Oracle 11g, PL / SQL, Essbase, C# / DevExpress / .Net 4.0, PHP / Zend*
- Consulting and development of applications in the fields of Business Intelligence and Data Warehouse.
- For **Bobst Group** (1 year) :design, development and integration of new cubes, tests phases and Go live, building reports (P&L, Balance Sheet, Efforts etc..).
  - For **Nestlé** (6 months) : Developing Applications (.Net) for administration cubes.
  - For **Credit Suisse** (6 months) : Data modeling and Data warehousing.
  - For **Groupe Mutuel** : Tuning and maintenance of Data Warehouse.

- Oct 2010 – Feb 2011    Back-end Developer at **Eegoes**, Vevey - Switzerland  
*PHP 5, Javascript, JQuery, MySQL 5.0, PhpMyAdmin*  
Development of in-house PHP Framework. Modeling, tuning and maintenance of MySQL Databases.
- Feb 2010 – Aug 2010    C++ Software Engineer at **Fia-Net.com**, Security payment, Paris - France  
*C++, PostgreSQL*  
Product Manager of a browser engine which enables to visualize all types of internet users' transactions to detect credit card frauds. Enhancement of data warehouse, etc..  
> Freelance mission with high level of responsibilities.
- Feb 2009 - Feb 2010    .Net Developer at **CAE Inc.**, aerospace industry - Canada  
*.Net Framework 3.5, C# , Microsoft Visual Studio 2008, MS SQL 2008.*  
Within a project based on the .Net technology, design of various objects and interfaces to transform the data (Joining data from multiple sources, Aggregation, pivoting ...)
- Oct 2006 – Oct 2008    Computer Engineer at **Dassault Aviation** via **Assystem**, aircraft industry - France  
France  
*C++ / MFC / Qt2, Oracle 10g, Toad for Oracle*  
Development of computer simulations, training of the end users, migration of the ELFINI platform (a set of analysis tools in the aircraft industry).
- May 2006 - Aug 2006    Trainee at **Thales Airborne System**, aerospace industry - France  
*C++, Qt2 , VS 2005, MS SQL 2005*  
Design of a Middleware according to the Thales architecture

## Education

2004 – 2006	Master (bac+5) information, system and technology, specialty industrial computer and system engineering, University of Paris XI
2003 - 2004	License (bac+3) in electronics, University of Paris XI
2002 - 2003	License (bac+3) in computer science, University of Paris XI
2000 - 2002	DEUG (bac+2) in Sciences of Physics and Chemistry, University of Paris XI

## Skills

*Environnement Tools*    GitLab, Jenkins, Visual Studio Code, MS Visual Studio, Eclipse, Qt Creator...

*Programming language*    C++, C#, Java, PHP, Javascript, CSS, HTML5, Visual Basic..

*Script language*            Python, Bash, PowerShell, MS Batch, LUA, etc.

*Frameworks*                 JQuery, Vue.js, Mootools, .Net Framework, Std C++ Library, Boost C++  
JavaEE, Zend for PHP.

*GUI Library*                 Qt5 for C++, PyQt5, WPF for .Net, etc ..

*Network Protocol*         UDP, TCP/IP, SNMP, MQTT, RPC, HTTP, MDNS etc..

*Software*                    Architecture Enterprise, MS Office, Adobe Suite etc...

*Operating Systems*        Linux Distribution (Ubuntu, Red-hat, Fedora, CentOS, etc.), Windows, Mac OS.

*Arch Hardware*             x86 (32 and 64 bits), ARM, PowerPC

*Virtualisation*             Oracle VM, VMware Workstation, Docker Container

*Build System*              PTXdist, Yocto, CMake

*Databases*                  Expert Oracle. MS SQL, MySQL, SQLite, *PostgreSQL*, Access.

*BI technologies*            Universe Designer XI 3.1, Essbase Administration Services 9.2, CMC

*Agile Methodologies*    Scrum and DevOps

## Hobbies & Interests

*Media Design :*             Adobe Premiere, Photoshop

*Video Game :*             Retro Game and Console Emulation

*Football:*                 Coached and played.

## **References**

Available upon request