

François CLERC

34 years old

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INDEPENDANT SOFTWARE ENGINEER

PROFESSIONAL EXPERIENCE

- 2015-2017** **Medical Software Developer with General Electric Healthcare Europe (2 years, Paris)**
- Subject: Improving a mammographic system that is sold to radiologic laboratories worldwide
 - Roles: developing new functionalities for the integrated software
 - Setting-up simulation test benches with IP addressing schemes
 - C++ under Scrum methodology
 - Validation and specifications processes using IBM Doors an important part of the work
 - Scripting and tests using Bash and Python on Virtual Machines
 - ...as well as tests on real X-Ray Medical devices, requiring safety-issues formations
 - Experience acquired: Working in a highly processed environment
- 2014** **Working on a proof of concept with Protectic, anIT consultingfirm (6 months, Paris)**
- Subject: Modelling noise pollution around airport areas and reporting data onto Android device
 - Roles: participation in the whole set of the project's lifecycle
 - Studying project's feasibility (including real costs)
 - Designing hardware and software architecture
 - Writing detailed specifications
 - Implementation of the embedded system that enables forwarding the data from the sound capture device to the main application server
 - Experience acquired: Java/JEE on Windows for the server module, C Language on Linux for the embedded system, SVN and as source versioning management system
- 2013-2014** **Software Consultant at Thales Raytheon System for a mission with Protectic (12 months, Paris)**
- Subject: development on NATO co-operated systems for civilian and military Air Traffic Control
 - Roles: maintenance, validation and integration processes
 - Experience acquired: C++, Unix Solaris, IBM RationalClearcase and ClearQuest
- 2011-2012** **International contract "V.I.E." between HSBC Paris and HSBCHong-Kong (18 months, Hong-Kong)**
- Subject: improving a pricer for structured derivative products on global markets
 - Roles: development and maintenance in Hong-Kong for local structurers and traders
 - Experience acquired: Excel/VBA, Microsoft Visual C++, Clearcase source versioning system, .Net technologies, WebServices with Soap and XML stack (XML+XSD+XSLT)
- 2011** **Software Consultant with Extia at «France Telecom » for a mission in computer virology (3 months, Paris)**
- Subject: Research and Development on an antivirus software suite
 - Roles: consulting for the choice of technologies to be used, tests and benchmarking
 - Experience acquired: C language, Shell-script, Flex & Bison (grammatical syntax tools).
- 2010** **Internship with « Dashlane », an innovative Start-Up in Paris (6 months, Paris)**

- Subject: to gather user data, in order to maximize automatization of his web navigation experience
- Roles: elaboration of new modules, essentially based on synchronisation and web services
- Experience acquired: effective use of C++ Design Patterns, threads, Boost, QT

2009

Project with a company named “GFI Informatique”, as part of the end of scholarship project (3 months, Paris)

- Subject: Geolocalization with voice recognition on Android platform
- Roles: modules integration design, scripting for tests, and server development and deployment
- Experience acquired: functional specification writing, project design and implementation

2008

Internship with the UCD “University College of Dublin” dedicated to operational research (6 months, Dublin)

- Subject: Improving a wireless mesh network with Carrier grade system
- Roles: Development of Linux kernel modules, Python scripting and network protocols analysis
- Experience acquired :Networking, cross platform and embedded development

EDUCATION

2005-10

EPITA – School for Software Engineering - Paris, France

- Master of Computer Engineering degree, graduated in 2010
- Emphasis:
 - Programming: C, C++, Java, SQL, scripting languages (Python, Bash, VBA)
 - UML-architecture design, project management, project specifications
 - Project oriented, standalone work as well as teamwork
 - Work on Unix environment

SKILLS

Languages

- | | |
|---------------------|----------------------|
| - English: | TOEIC score: 810/990 |
| - French: | Mother tongue |
| - Mandarin Chinese: | Beginner |
| - German: | Beginner |

Technologies

- | | |
|-----------------|--|
| - Programming: | C, C++ (QT, Boost, C++11), JAVA (JEE), VBA, SQL (PostgreSQL), Python, Bash scripting |
| - Environments: | Windows, Linux, Excel, Visual Studio, Eclipse, Vim, Clearcase, SVN, Git, IBM Doors |

INTERESTS

Sports

Basket-Ball, Running, Hiking, Swimming