François CLERC

34 years old

6 rue du Marechal Gallieni
78000 Versailles, France
+33 6 20 19 77 04
skype id: 429cb1b4d9add433
fhc.develop@gmail.com
https://www.clercdev.com

INDEPENDANT SOFTWARE ENGINEER

PROFESSIONAL EXPERIENCE

2017-2018   **Freelance Software and Web Developer**
- Projects: Personnal website and blog, using Docker (please check https://github.com/millesabords/epou)
- Experience acquired:
  - Node.Js development
  - Docker deployment and VPS management
  - PHP / Laravel and Apache configuration and securisation
  - Front-end with HTML5, CSS3 and native Javascript
  - Responsive design problematics

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, SVNand 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 RationnalClearcase and ClearQuest

2011-2012   **International contract "V.I.E." between <u>HSBC Paris</u> and <u>HSBCHong-Kong</u> (18 months, Hong-Kong)**
- Subject: improving a pricer for structured derivative products on global markets
- Roles: development and maintainancein 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 «<u>France Telecom</u> » 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 « <u>Dashlane</u> », 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 witha company named "<u>GFI Informatique</u>", as part of the end of scholarship project (3 months, Paris)**
- Subject: Geolocalization with voice recognition on Android platform
- Roles: modules interagration design, scripting for tests, and server development and deployment
- Experience acquired: functional specification writing, project design and implementation

2008   **Internship with the UCD "<u>University College of Dublin</u>" 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: Working, both oral and written

- French: Mother tongue

- Mandarin Chinese: Beginner

- German: Beginner

Technologies

- Programing: 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

- French: Mother tongue

- Mandarin Chinese: Beginner

- German: Beginner