

SOFTWARE ENGINEER

PROFESSIONAL EXPERIENCE

2018-Now

Software Developer at Mentor-Graphics / Siemens

- Projects: Working on a system that optimize tests on electronic components for production chains of wafer devices
 - Scrum methodology (2 teams of 5 persons each)
 - Remote work (3 days out of 5)
- Experience acquired:
 - Git source management system, C#/.Net and C++/QT, MySQL and Windows/Cygwin scripting
 - Continuous integration under Jenkins using virtual environments (mainly CentOS VMs)

2017-2018

Freelance Software and Web Developer

- Projects: dockerized personal website and blog (also check <https://github.com/millesabords/epou>)
- Experience acquired:
 - Node.js development
 - Docker deployment and VPS management
 - PHP / Laravel and Apache configuration and basic securisation
 - Front-end with HTML5, CSS3 and native Javascript
 - Responsive design problematics
 - Wordpress customization

2015-2017

Software Developer with General Electric Healthcare Europe (2 years, Paris)

- Subject: Adding features to a mammographic system that is sold to radiologic laboratories worldwide
- Roles: developing new functionalities for the integrated software
 - Developing in , using Scrum as methodology
 - Scripting and tests using Bash and Python on Virtual Machines
 - Setting-up simulation test benches with IP addressing schemes and bash scripts for VMs
- Experience acquired:
 - Continuous learning for safety measures while performing real tests in an environment with medical devices producing X-Rays
 - Highly processed environment (SDLC management under IBM rational Doors)

2014

Working on a proof of concept with Protectic consulting firm (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 server side, C Language on the embedded system holding the client

- 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 (French "V.I.E.") between HSBC Paris and HSBC Hong-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: Written and spoken
 - French: Mother tongue
 - Mandarin Chinese: Beginner
- Technologies**
- Programming: C# (.Net Core 3.1), C++ (QT, Boost, C++11/14), JAVA (JEE), VBA, PostgreSQL, C, Python, Bash scripting
 - Environments: Windows, Linux (CentOs, Debian, ArchLinux, Cygwin), Visual Studio, Eclipse, Git, SVN, Vim, Clearcase, IBM Rational Doors