

HMI IT Engineer



31 years old
Driving License
France

Developper

Java

HMI

3D

GPU

CONTACT

✉ contact@corentin-berthelot.fr

ABOUT ME

I am currently a developper at Sogeti.



LinkedIn



Github

EXPERIENCES

Developper

Sogeti - Since June 2022 - Full-time - Rennes



Developper

Apside - August 2020 to November 2021 - Full-time - Brest



- Development for a electronic warfare software for TDMS.
- Used technologies: Java 1.7, Swing, Git

Freelance

Apside - January 2019 to April 2019 - Freelancer - Redon - France



- Transformation of a supervision project for Actia Telecom on their new software suit.
- Specification, demo programming and accounting of a cartographic module on a Actia Telecom software.
- Used technologies: Java 1.7, Nasa WorldWind, VBScript, Fedora, RPM packaging, VirtualBox, GeoServer.
- Used Actia technologies: DTG704 and complete software suit of their supervision system.

HMI IT Engineer

Apside - March 2016 to June 2018 - Consultant - Dinard - France



- Development and code refactoring of monitoring software for SATCOM stations for Actia Telecom.
- Creation, partial management and support on different deliveries and associated configuration for several SATCOM projects.
- Implementation of tools increasing the productivity.
- Support and development of part of the customer development team in Java: Architectural cutting of components, implementation of best practices, proposal of appropriate Java solutions, factorisation ...
- Flattening of software procedures and creation of the associated documentation.
- Used technologies: Java 1.7, SWING, Karaf, Maven, Hibernate, SVN, Tortoise, Mantis, Sonar, Jenkins, Inskape, Pencil, Dokuwiki
- Used Actia technologies: DTG704, DTM20MKII, complete software suite of their software monitoring system.
- Used protocols: TCP/IP, Modbus, SNMP, proprietary protocol.

HMI GPU Specialist

Apside - 2016 to June 2018 - Consultant - France



- Support for the optimization and evolution of the IFREMER GLOBE software.
- Team training: Explanation of the OpenGL pipeline and of 3D notions, implementation of analysis tools, creation of a reference document gathering OpenGL best practices, explanation and practice on their project.
- Support by email and telephone on technical issues related to OpenGL.
- Used technologies: Java 1.7, Git, JOGL, (OpenGL 1,2,3), GLSL, Nasa World Wind, Windows

HMI IT Engineer

Apside - February 2016 to March 2016 - Consultant - Cholet - France



- Establishment of a means of testing, development of new features and encryption for an encryption software for Thalès Communications and Security
- Used technologies: Java 1.7, SWING, JUnit, Git, Jira, Windows

HMI GPU IT Engineer

Apside - January 2015 to January 2016 - Consultant - Brest - France



- Evolution of a graphical library for a new generation electronic warfare software and folder creation to a CIR (Research Tax Credit)
- Implementation of a demonstrator highlighting the functionalities of a graphical library.
- Maintenance of an electronic warfare software, for Thalès Systèmes Aéroportés.

- Used technologies: Java 1.7, AWT, SWING, JOGL(OpenGL 4), GLSL, Compute Shader, SVN, ANT, Windows, Linux

HMI GPU Intern

THALES

Thalès Systèmes Aéroportés - February 2014 to July 2014 -
Internship - Brest - France

- Highlighting the benefits of using the GPU in the display and processing of large volumes of data by comparing it to the limits reached by using of the CPU.
- Creation of a graphical library for electronic warfare software.
- Industrialization of the library for an operational condition.
- Used technologies: Java 1.7, AWT, SWING, JOGL(OpenGL 1,2,3), GLSL, JavaFX, SVN, ANT, Windows, Linux

SKILLS

GPU/IHM Programming

- OpenGL 1, 2, 3 and 4.2
- JOGL
- SWING/AWT
- JOCL
- OpenCL
- GLSL
- Nasa World Wind
- WebGL
- CUDA
- Vulkan

Software Programming

- Java 1.7
- C
- C++
- Java 1.8
- Java 1.9

Project Lifecycle/Integration

- SVN
- Tortoise
- Git
- Jenkins
- SonarQube

Software IDE

- Eclipse
- Notepad++
- Microsoft Visual Studio C++
- Agilfant
- Matlab
- Nano

Documentation/Presentation

- Dokuwiki
- Suite Office
- ActivePresenter
- Pencil

Graphism / Video /Sound

- Audacity
- Sony Vegas Pro
- Autodesk Maya
- Paint.net
- Inskape
- Zbrush
- Goldwave
- SolidWorks

OS

- Windows 98, XP, 7
- Windows Vista, 8, 10
- Debian

Project Management

- Jira
- Mantis
- Agilfant
- Ms Project

EDUCATION

POEI web Developper

IB FORMATION

February 2022 to May 2022

This formation of three months help me to get the modern web development fundamentals in Java throughs differents frameworks and langages: SQL, Servlet/JSP, Web Services, Spring (Boot, Data, MVC, Restfull), HTML5/CSS3, TypeScript et Angular.

Oral English

PRIVATE LESSON

June 2018 to September 2019

I practice every week my oral english for one hour by week.

English intensive studie

ALPHA COLLEGE, DUBLIN

February 2018

I practiced for three weeks my english. With international group classes the morning (4 hours) and private lessons (2 hours) the afternoon in one to one. Every days, we had some exercices to do for the next day.

Oral english

APSIDE

March 2017 to May 2018

I practiced my english with a teacher from Apside every week by phone during half an hour. A break occurred during the summer. I had also some exercices to do every week.

Master 2 INFO, WMR, Web Multimédia et Réseau

UNIVERSITÉ BRETAGNE-SUD, VANNES TOHANNIC

September 2013 to June 2014

Studies in computer science in Web (Web Semantic, moteur de recherche...), Multimedia (OpenCL,Cuda, GLSL...) and Network (WiFi, Bluetooth, multicast...).

Master 1 INFO, WMR, Web Multimédia et Réseau (Web Multimedia and Network)

UNIVERSITÉ BRETAGNE-SUD, VANNES TOHANNIC

September 2012 to June 2013

Studies in computer science in Web (Ajax, JQuery, XSLT...), Multimédia (OpenGL, Maya...) and Network Distributed Application, Middlewares, Administration ...).

Licence MIS, spécialité Informatique

UNIVERSITÉ BRETAGNE-SUD, VANNES TOHANNIC

September 2009 to June 2012

Studies in computer science with basics in Mathematics and Physics.

Bac S, SI (Sciences de l'ingénieur/ Engineer Sciences) option audiovisuel

BEAUMONT, REDON

September 2008 to June 2009

French high-school diploma

INTERESTS

Sailing

Martial Arts and Fight Sport

Cinema

Video Games

Reading