



Yannick Poirier



I'm a R&D software engineer, passionate about new technologies that are changing the world.

PERSONAL INFORMATION

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Personal
- (+352) 621 517 358
Mobile
- French
Nationality
- 10/04/1986
Birth
- 74 Avenue de la liberté
Luxembourg, LUXEMBOURG
- Driving license
B
- <https://www.yannickpoirier.fr>

LANGUAGES

- French** ★★★★★
C2
Mother tongue
- English** ★★★★★☆
C1
Full Professional Proficiency
- Spanish** ★★☆☆☆
A2
Elementary Proficiency
- Luxembourgish** ★☆☆☆☆
A1
beginner

EXPERIENCE

2022 - current

YXALA (CAIRN S.A.R.L)

Chief Technology Officer

Luxembourg, Luxembourg

Creation of **YXALA**, a multi-platform solution permitting to store, index and search any personal information under full privacy. Use of cutting-edge technologies, including an innovative **search engine**, **blind AI** and **end-to-end encryption**.

<https://www.yxala.com>

2021 - 2022

CAIRN S.A.R.L

Software Manager

Luxembourg, Luxembourg

Imagining the **future of the privacy** by creating a platform permitting to store any personal and private information in a secure way using an innovative zero-knowledge and end-to-end encrypted solution.

<https://www.cairn.lu>

2017 - 2021

INVERTO

HTS-DBS, High Throughput Satellite Data Broadcast System

Gonderange, Luxembourg

ESA project realized in collaboration with SES and University of Luxembourg. Responsible for designing the architecture and realize the implementation of a CDN for **Edge caching over Satellite**. The main task includes the implementation of a high performance and reliable unidirectional file transfer protocol exploiting broadcast capabilities of satellites.

<https://artes.esa.int/projects/htsdbbs>

2016 - 2017

INVERTO

Low latency video transcoder

Wecker, Luxembourg

Real-time H264/HEVC **video transcoder** for medical application using hardware accelerated image processing (OpenCL, OpenGL, Intel Quick Sync). Low latency streaming server for **WebRTC**. Cross-platform video player for mobile and PC implementing high quality image rendering based on **GPU** acceleration.

<https://youtu.be/AM-EmW0dr-A>

2010 - 2016

INVERTO

WebKit for Smart TV

Wecker, Luxembourg

Development of **Hybrid broadcast broadband TV** (HbbTV) web engine based on **WebKit** for Set-Top-Box. Implementation of HTML5 video player, DRM and Smart TV portals. Optimization of image decoders for sh4 processor. Development of linux graphics driver for ST40 chipset to accelerate web browser rendering.

<https://www.digitaltvnews.net/?p=10566>

EDUCATION

2006 - 2010

École Supérieure d'Électronique de l'Ouest

Master of Engineering Degree

Angers, France

Electronics and computer engineering school. Specialization in

Embedded Systems and Automation. Software engineering, Real-time kernel programming, electric actuators and linear process control.

<https://www.eseo.fr>

2004 - 2006

École Supérieure d'Électronique de l'Ouest

Higher School Preparatory Classes

Angers, France

Intensive preparatory course in **mathematics**, physics, electronics and **computer sciences**.

<https://www.eseo.fr>

2008 - 2009

University of Plymouth

Master of Science in Robotics

Plymouth, United-kingdom

Research-intensive university providing a deep theoretical and practical knowledge of **interactive and intelligent robotics**. Artificial life and intelligence, adaptive behavior, information visualization, neural computation and dynamic systems.

<https://www.plymouth.ac.uk/courses/postgraduate/msc-robotics>

SKILLS

Programming languages

RUST, C/C++, OpenCL

Actix Web, MongoDB, FFMPEG, WebKit, Tensorflow

Software development for multiple targets

(Android, Linux, Windows, Embedded Systems, Cloud server)

Network protocols

UDP TCP/IP, DVB, DSMCC, GSE/MPE, SAT>IP

Wireshark, FLUTE, OpenFEC, WebRTC, MPEG-DASH

Development of multiple streaming servers.

Good knowledge of DVB Transport Stream and IP over DVB.

Web development

JavaScript, TypeScript, HTML, CSS

Vue, NuxtJS, React (Native)

Creation of responsive and interactive web applications using modern frameworks.

UI/UX

Dart/Flutter

Android Playstore, Microsoft Store

Development of native applications for mobile and desktop. Publication of the applications on to store.

DevOps

GIT, Docker, Ansible, NGINX, NodeJS, AWS-S3

CI/CD pipelines, Grafana, Prometheus, GitHub

Containerization, deployment and maintenance of cloud servers. Monitoring of the performance.

Management

Agile software development

Incremental development, continuous delivery.

Planning software development, tracking milestones, leading the project team.

EXTRA CURRICULAR

Coach volunteer for the Go2Work project with ASTI

Help refugees in Luxembourg with their career planning

<https://www.asti.lu/le-projet-go2work-a-loeuvre/>

Piano

Classical piano lesson with Leonardo Castellano

<https://youtu.be/aAudUCW0ba0>