Sylvain Leclercq   Software Engineer

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Profile

Detailed, interactive resume online at sylvainleclercq.com.
Self taught programmer with over 15 years of personal experience. I am highly autonomous and motivated, passionate about learning ever more about computer science and experimenting with new tools and technologies.

Skills

C++, Boost, Qt	Haskell	Javascript, React, node.js, Vuejs, CoffeeScript		
C#, .NET, WPF	HTML/CSS	PureScript	Elm	Ruby, Ruby on Rails
Python, Django	Lua	SQL (PostgreSQL), MondoDB		Git, Linux

Work Experience

Software Engineer   Mar. 2018 – Dec. 2019
Nexter Systems   Versailles, France

Development of a guidance and communication system for military armored vehicles.

Responsibilities involved:

- Design and implementation of a custom database synchronization system (C++)
- Refactoring of a legacy code base to improve reliability and modularity (C#)
- Implementation of business-critical features in a large application (C#)
- Set up of unit testing frameworks and implementation of unit tests (C++ and C#)
- Profiling and performance improvements (C#)
- Implementation of tools to help development and quality analysis processes (C# and C++)
- Analysis and documentation of legacy code bases (C++ and C#)

Previous Experiences

From 2012 to 2018, I occupied several unqualified jobs. both part time and full-time, in **France**, **Japan**, **South Korea**, **Taiwan** and **Australia**. As they are largely irrelevant to my current situation, I only list them on my website.

PORTFOLIO

All my public projects are available on my Github.

https://github.com/de-passage/conduit.purs
Front end for a Medium-like website, implemented in PureScript

https://github.com/de-passage/conduit-rocket.rust
Back end for a Medium-like website, implemented in Rust, backed by PostgreSQL.

https://github.com/de-passage/de-passage.github.io
Front end of my personal website, implemented in PureScript

https://github.com/de-passage/game-of-life.coffee
Conway's Game of life, implemented in CoffeeScript with React

https://github.com/de-passage/urlshortener-ms
https://github.com/de-passage/whoami-ms
https://github.com/de-passage/timestamp-ms
Very simple microservices implemented in CoffeeScript with node.js.

https://github.com/de-passage/front-end-games.elm
Small game collection implemented in Elm.

https://github.com/de-passage/basics.cpp
Some common data structures (lists, arrays, binary tree, hash table) and associated algorithms implemented in C++.

LANGUAGES

French	Native	
English	Near bilingual	TOIEC passed in 2013 with 990 pts
Japanese	Fluent	JLPT N1 passed in 2014

EDUCATION

ESCEM 2010 – 2014	French Business school.	4th and 5th semesters completed at Meiji University, Japan
2008 – 2010	Two-year highly selective classes to prepare for the competitive exams to the French Business Schools	
2008	Baccalauréat	French national high-school leaving diploma