Alexandre Baron

Systems software engineer looking for awesome challenges

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Experience

C++ Game Developer
MetaTek, London, UK (remote) *November 2017–today*
- Part-time technical help on independent video game project **Front Line Zero**
- C++ gameplay programming and Amazon EC2 Git server administration
- Technologies: **C++**, Unreal Engine 4, Git, Windows, Linux, AWS

Game Engine Programmer
Ivory Tower, Lyon, France *November 2016–today*
- New engine features and edition tools on video game project **The Crew 2**
- Profiling and refactoring of the engine's multi-threaded file manager
- Technologies: **C++**, CMake, Perforce, Windows

Tools Programmer
Arkane Studios, Lyon, France *September 2014–August 2016*
- New edition tools for the video game project **Dishonored 2**
- In-editor tools, offline Python data integrity checkers
- SQL database administration and major overhaul of its companion web application
- Technologies: **C++**, Python, SQL Server, AngularJS, Perforce, Windows

Robotics Developer
Metalab Reticular Art Center, Lyon, France *May 2013–August 2013*
- Supervising the project's design documents and development of a first prototype
- Programming of a Magabot robot for remote control over wireless devices
- Technologies: **Arduino C++, Python**, Ubuntu Linux, Git

VTK C++ Programmer
Orten, Lyon, France *November 2012–April 2013*
- Profiling and performance improvements of the company's medical 3D editor
- Development of an open-source multi-texturing helper for the VTK 3D toolkit
- Technologies: **C++**, VTK, SVN, Windows 7

Teaching Assistant
Epitech, Lyon, France *March 2012–February 2013*
- Practical work and exam supervision of C and Linux system administration courses
- Support to the pedagogical team with management of first-year students

Backend Programmer
Hexaglobe, Paris, France *July 2011–December 2011*
- Development of a website analytics platform tracking advertising revenue and visitors geolocation
- Technologies: **PHP, Symfony**, MySQL, jQuery, Ubuntu Linux, SVN

Technical skills

Languages: **C/C++, Python**, Rust, OCaml
Systems: **Windows**, Linux (Debian based)
Version control: **Git**, Perforce, SVN

Web: AngularJS, Bootstrap
Databases: **MySQL**, SQL Server
UI: **MFC**, Qt, GTK

Education

Master of Information Technology **2010–2015**
European Institute of Technology (EPITECH), Lyon, France
Master final project: *Onitu, the cloud storage synchronization tool*

Certificate in Information Technology **2013–2014 (exchange year)**
Université Laval, Québec, Canada

TOEIC **2013**
Score: 970 / 990