Ehouarn Perret
.NET Developer

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Summary

I am a passionate software developer who has a four years of comprehensive experience of designing and developing software applications mainly enjoying the Microsoft .NET technology stack.

I am humble and always eager to learn new things in order to improve maintainability, scalability and performances.

I am now looking for new opportunities to leverage my .NET skills whether for web development or desktop applications.

I am French and allowed to work in New Zealand with a one year work visa.

Skills

Programming	**Working Knowledge: .NET (2.0 – 4.6) C#, LabVIEW (2008 – 2015)** Basic Knowledge: Python 3.x, Matlab(2010 – 2013), ASP.NET, Java 8 SE, JS
GUI & UX	**Working Knowledge: Winforms, DevExpress Winforms (11.4 – 15.2.4)** Basic Knowledge: pySide, WPF, HTML 5, CSS 3, jQuery, JavaFX
Database	**Working knowledge: ADO.NET & EF with SQLite, DevExpress XPO** Basic Knowledge: mySQL, Microsoft SQL Server
Bug tracking	**Working Knowledge: Mantis** Basic Knowledge: BugZilla
Source-control	**Working Knowledge: SVN & Git** Basic Knowledge: TFS
Methodologies	**Working Knowledge: UML, Agile – Scrums XP, Waterfall, "V" Model**
IDEs	**Working Knowledge: Visual Studio (2008 – 2015), LabVIEW (2008 – 2015)** Basic Knowledge: IntelliJ IDEA, Netbeans, Xamarin Studio
Office	Familiar with Microsoft Office 2013 (Word, Excel, Power Point and Project)
OS	Familiar with Windows (XP, Vista, 7, 8, 10) and Linux (Ubuntu, Fedora)
Languages	English (full professional proficiency), French (native), Chinese (basics)

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Current Work Experience

Software Engineer
ART logics, Shanghai China   **10/2013 – 02/2016**

Software Development

- Design and develop a generic software suite solution for automotive long-term tests.
- Write specifications and conception documents for custom-built software solutions.
- Migrate the .NET previous codebase to .NET 4.6, C# 6 and DevExpress 15.2.4.
- Create tailor-made LabVIEW applications for automotive customers.
- Maintain and improve LabVIEW instrument drivers.
- Quick development of internal tools using Python and ASP.NET.
- Setup continuous refactoring process and reduce the technical debt by 50%.
- Increase software development productivity by installing appropriate tools and plugins.

Mentoring

- Provide technical guidance and training to new comers in LabVIEW and in .NET C#.
- Write .NET design guidelines and C# corporate coding standards.
- Redact LabVIEW development guidelines.

Management Assistance

- Provide technical support to the General Management Team.
- Assist the software manager for resources allocation.
- Lay out the software development strategies planning over mid and long terms.
- Follow up projects in a team of 5 software developers.
- Set up agile development using Scrum workflow.

Recruitment

- Draft job descriptions.
- Write technical tests.
- Lead the technical interviews.
- Participate in the final applicant selection for positions related to .NET C# and LabVIEW.

Project Achievements

- **Continental**, Changchun China: develop asynchronous visualizations based on ART logics sampling board hardware supporting anomaly detections

- **BWI,** Shanghai China: provide a full LabVIEW based bench for ABS testing purposes leveraging the NI actor framework for a better scalability, maintainability and testability.

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Past Work Experience

Software Developer

ART logics, Shanghai China   10/2012 – 10/2013

Software Development
- Develop .NET and LabVIEW software applications for automotive testing solutions.
- Design and develop LabVIEW Instrument Drivers as well as a .NET Communication API for controlling the ART logics devices.
- Build a software department in the company with 3 software developers.
- Improve previous data storage by switching to SQL databases using ADO.NET and EF.

DevOps
- Setup SVN as the main Version Control System
- Deploy Mantis bug tracking system and automated build system
- Initiate obfuscation process for .NET programs

Project Achievements
- **Visteon**, Shanghai: create a prototype system for visual functional testing of automotive clusters using .NET C# for the front-end and NI Vision for the image processing computation
- **SAIC Motor**, Shanghai: develop a flexible asynchronous grid visualization system using the DevExpress Winforms XtraGrid library.

Software Intern

ART logics, Shanghai China   02/2012 – 09/2012

Project Achievements
- Reverse-engineer the Vector CAN DBC Database file format and implement a .NET C# parser to bring native support to the ART logics
- Design and implement a Reporting and Grouping feature for automotive test results using .NET C# 2.0 and DevExpress Winforms 11.4. It supports exportation to CSV, PDF and HTML.

Software Intern

Elcom, Ostrava Czech Republic   05/2011 – 08/2011

Project Achievements
- Design and implement LabVIEW (2008) Instrument Drivers for Seaward Devices and write project documentation.
- Create a LabVIEW application for production line operators by using the LabVIEW instrument drivers above in order to test vacuum pumps electrical isolation

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Education

Grenoble University, France   **2009 – 2012**

- **Degree: Master of Sciences in Industrial Computing and Instrumentation**

  Major: Signal and Image Processing

  Core Subjects: .NET C#, C++, Oriented Object Design, SQL, Networking, Concurrency

  Major Subjects: Signal Processing, Image Processing, Data Sciences

References

- **Pierre-edouard Perraudin – Current Software Manager at ART logics**   **2015 – present**
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- **Kevin Giffone – Software Manager at ART logics**   **2014 – 2015**
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  Email: kevin.giffone@gmail.com