

Paul Sette

Senior Software Engineer (C# / C++)

42 years old, married

Nationality: French

Driving license A, B

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Work Experience

Since September 2001

CSTB (Scientific and Technical Centre in Building research), Sophia-Antipolis, France.
Turnover: ~100 M€, ~ 900 employees.

Software Engineer in the «Information and Software engineering» department

- Analysis, design and development of [eveBIM-Trnsys](#), environment for dynamic energetic BIM simulation. (see [eveBIM-Trnsys official website](#))

Main responsibilities:

- Analysis, design, implementation and testing
- Documentation
- Integration of the plugin to the core software

Technologies: Visual Studio 2015, C++, Qt5, Git.

- Analysis, design and development of [Mathis Studio](#), environment for the airflow modelling and humidity behaviour of a building. (see [Mathis Official Web site](#))

Main responsibilities:

- Analysis, design, implementation and testing
- Documentation
- Integration of the graphical interface and core simulation engine

Technologies: Visual Studio 2015, C#, WPF, XAML, InstallShield, Git.

- Analysis, design and development of [Eurobat](#), environment for average wind and dynamic pressure prediction for high building construction.

Main responsibilities:

- Analysis, design, implementation and testing
- Documentation
- Implementation of European regulations

Technologies: Visual Studio 2015, C#, WinForms, Shapefile, Google Maps API, Git.

- Analysis, design and Development of [Trnsys Simulation Studio](#), a complete and extensible environment for the transient simulation of systems, including multi-zone buildings. Version 17 has been released some years ago and I'm actually working on Version 18.

(see [Trnsys Official Web site](#))

Main responsibilities:

- New features (wizard, search engine, text editor/designer, plug ins...)
- Debugging and patching of existing code
- Hotline
- Documentation
- Integration of the graphical interface and all related modules: core simulation engine and building (travelled to the United States and Germany to ensure the success of the project)
- Adaptation of the graphical interface to a different core engine simulation (air flow simulation)
- Bilingual presentation and training (English and French) within European and international projects (travelled to Germany and China).

Technologies: Visual Studio 2013, C++, C#, MFC, Stingray libraries, Git

- Analysis, design and development of [Transol](#), tools for predicting thermal performance of Solar Domestic Hot Water Systems, building heating and swimming pool heating, in residential and commercial buildings.
(see [Transol Official Web Site](#))
Main responsibilities:
 - Analysis, design, implementation and testing of new features (dynamic file selection, economic analysis, step by step assistant, graphics...)
 - Debugging and patching of existing code
 - Hotline
 - Documentation
 - Integration of the graphical interface and core simulation engine in an international setting (travelled to Spain)
 Technologies: Visual Studio 2015, C++, MFC, Stingray libraries, Svg, Git

- Analysis, design and development of several software intended to test and validate french national thermal regulation and energy behaviour of buildings.
Main responsibilities:
 - Analysis, design, implementation and testing
 - Documentation
 Technologies: Visual Studio 2013, .NET Win Forms, WPF

Education

School	2000	ESSI (Advanced graduate diploma from the ESSI IT school), Sophia-Antipolis
	1997	Two-year University degree in Mathematics – Physics – Mechanics, Nice
	1994	High School Diploma in Mathematics and Physics, Grasse

Professional trainings WPF, HTML5, ASP.NET, C#, C++, Java, MySql, UML, Project management

Professional Skills

Project management	Design and development of software applications (Windows, Internet, embedded) with databases access including: <ul style="list-style-type: none"> ▪ Preliminary analysis ▪ Specifications ▪ Architecture ▪ Budget prevision ▪ Versioning ▪ Testing ▪ Deployment ▪ User manual ▪ Hotline ▪ Management of interns working on the project ▪ Training on the developed software (in English and French) ▪ Webinar presentations (GotoWebinar)
Software languages	.NET / C#, WPF, XAML, WinForms, C++ (MFC / Rogue Wave Stingray libraries, Qt), Java, PHP/Zend2 (JavaScript), SQL, UML .
Software	Visual Studio 2015, GIT, SVN, Eclipse, Wise Installer, Office suite.
Languages	- English: fluent (Toeic 930 passed in 2017, training course in the United States, professional travels to English speaking countries, trainings, phone conferences). - Italian: notion.

Personal interests

Sport, motorbike, automotive, cooking, travelling.

