

CHAUMEIL Florian

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Driving license cat. B

PhD Numerical Modelling
M.Sc. Mechanical Engineering Calculus
French(native), English (bilingual),
Spanish (fluent), Polish (elementary)



IT MANAGER / SOFTWARE ENGINEER

SKILLS

Technical

- Programming languages:

Desktop

C# (.net, DLL, multithread, ORM: EntityFramework)

C++ (API, algorithmic, optimisation)

WEB

ASP .NET, MVC (frameworks: Telerik Kendo UI)

HTML5, CSS3(framework: Bootstrap)

PHP objet (frameworks: Twig, Symphony, Slim, ORM: Doctrine)

JavaScript (frameworks: JQuery, AngularJS, MooTools)

AJAX

- Databases

SQL Server, Firebird, MySQL, MongoDB

- Exchanges format

XML, CSV, JSON, Web Services

- Scripting

Python, Command Shell

- Analysis and design

Design Patterns, UML (class diagrams, use case diagrams)

- Editors

MS Visual Studio 2008-2013, NetBeans, Eclipse

- Testing / Versioning

NUnit / Git, MS SourceSafe, SVN, TFS

- Reporting

SSRS, Components GrapeCityActiveReports

Business sectors

- ERP, CRM

Reporting, suppliers and stock management, commands, accounting, pricing, invoices.

- Industrial Simulations

CFD, DEM, FEM

FLUENT, CATIA, ANSYS, Matlab

- Environmental Sciences

Hydraulics, Water treatment, Energy, Carbon economy

EDUCATION

PhD, University of Edinburgh, UK

May 2009-July 2013

- C++ API Programming of User Defined Library for [EDEM 3.2](#) with Visual to take into account fluid/particles and interaction interactions (DEM-CFD) and Brownian forces.
- Numerical Physics and Mathematics with VBA macro, python, matlab etc
- V Cycle research project management (problem analysis, literature study and model specification, C++ coding of the model and integration, comparative validation of simulated results, simulation automating script, data analysis)
- Academic writing (Publications in: [Journal of Membrane Science](#), [Particuology](#), Grant application, reporting)
- Teaching hydraulics and mechanical engineering labs for 3rd year student

Universidad Carlos III de Madrid, Erasmus, Spain

September 2007-February 2008

- Numerical Modelling (Fluid dynamics, Thermodynamics)
- Environmental Engineering, Energy sciences
- Project management

Supmeca Paris, M.Sc mechanical engineering, France

September 2005- October 2008

- Fluid Mechanics, Thermodynamics, Mechanics and Structural Engineering (FEA, CAD)
- Computational Methods and Numerical Mathematics

PROFESSIONAL EXPERIENCE

OPCA, Paris

Urbanisation and innovation manager (1 year)

Since April 2016

In charge of the IT infrastructure of a 150 persons' company, under ever evolving business logic and Regulatory Environment. Managing outsourced development and maintenance of in-house code, coordinating evolutions and hardware requirements, third level support.

- Digital Change Management (Digital transformation, Business Process Modelling, dematerialisation)
- Directing the integration of a web interfaced EDI through web-services
- C#.Net and ASP.net MVC web programming, MS SQL server
- Project management, tests and integration
- Coordinating business requirement and timely app delivery
- Implementation of Collaborative work process (GIT, Office 365 et documents Cloud sharing)

GFI, Paris

Web migration specialist & developer C#/Asp .Net (1 year 3 months)

January 2015 - March 2016

For various clients experiencing digital transformation situations, Implementing web applications and managing process transformation. Implementing documentation, training and assessment methods.

- Process design, project management
- Migration from PowerBuilder environment towards Asp .Net MVC5 application. Iso-Programming with respect to existing user interface and data architecture.
- Visual Studio 2013 Environment
- Database MS SQL, DB migration Bug tracking
- Reverse Code Engineering
- Front End HTML5, CSS3, JavaScript, Telerik UI framework kendo
- Templating and optimization of coding process
- Reporting Microsoft SSRS, google analytics

Robert Half International, Paris

April 2014 – December 2014

Analyst/Developer C# .NET (9 months):

As part of a small team of software programmer of Parisian jewellery wholesaler leader on design and manufacturing. Designing and developing in-house management programs in direct relation with software end-users, and responsible for legacy software/db maintenance.

- Definition, creation and C# .NET programming, program publication and network deployment:
 - proprietary ERP managing company information fluxes, paper-less systems,
 - CRM type tool aimed at targeting and optimising customer purchase and enhance loyalty.
- Data analysis, data mining:
 - Building intelligent commercial management tool (sales inspection, turnover evolution, life cycle product, periodic sales management)
 - Complex data visualisation, 3D rendering
 - Process optimisation of stock information update
- Visual studio 2013, .NET Environment
- Design Pattern: MVC
- Reporting (GrapeCity ActiveReports)
- SQL database (Firebird)
- Multithreading (Background Worker, multitasks asynchronous applications)
- Website maintenance and programming support HTML5, for CSS3, JavaScript, ASP

TALIANCE, Paris

September 2013 – February 2014

Business Analyst for investment fund modelling software (6 months)

Within the programming team of a real estate software editing company, that builds modelling software for investment fund that answers the management and control needs induced by European policies exotic investment product type AIFMD, Basel or Solvency.

- Team work with software engineer working in WPF following agile principles.
- Integration testing, unitary testing, Database analysis of bugs
- Software modelling (.ppt and Axure) and functional specifications.