Bertrand BENOIT

✉ contact@bertrand-benoit.net
☎ +33 (0) 6 70 09 01 01
🏠 Website

Software Architect
Artificial Intelligence R&D Engineer

- ➢ Project management
- ➢ 16+ years in Software
- ➢ Agile methods (Scrum)
- ➢ Software Architecture
- ➢ English (C1)
- ➢ Cloud Computing

PROFESSIONAL EXPERIENCE

2016-2020	Senior Software Engineer at **Aston iTrade Finance**	Nancy, France
2015	IT Consultant & Software Architect at **Versusmind**	Nancy, France
2013-2014	Senior Software Architect at **Exabuilder**	Paris, France
2012-2013	Founder of IT company **Bsquare Consulting**	Nancy, France
2006-2012	Software Engineer at **Active Circle**	Vannes, France
2005	Final year project at **Centre National d'Études Spatiales**	Paris, France
2004-2005	Software Engineering project at **XiMed SA**	Nancy, France
2004	Software Engineer (trainee) at **Optomik**	Nancy, France
2003-2004	Artificial Intelligence Engineer (trainee) at **LORIA**	Nancy, France

EDUCATION

2005   **Master degree** in Software Engineering, **graduated with honors**, **Valedictorian**
Université de Lorraine – Nancy, France

2004   **Master degree** in Artificial Intelligence, **graduated with honors**
Université de Lorraine – Nancy, France

2000-2001   **PCSI+PSI***, Preparatory classes for top French Engineering Schools
Lycée Henry Loritz – Nancy, France

SKILLS

Architecture		SCM		OOP	
OOP, Design patterns, UML	■■■■■	Git, Subversion, CVS	■■■■■	Java, C++, C#, Eiffel	■■■■■
Workflow / QA		**Cloud**		**Back-end**	
Unit testing, Continuous integration	■■■■■	Amazon, OpenStack Swift, Azure	■■■■□	Java EE, JSP, Servlet, PHP, C#, Node.js	■■■■■
SGBD		**Other languages**		**Front-end**	
SQL & noSQL	■■■■□	Python, C, PHP, Node.js	■■■□□	[X]HTML, CSS, jQuery, Angular.js	■■■□□

CERTIFICATIONS

2018	Professional Scrum Developer I	**PSD I**	
2015	**TŒIC** score : **945/990**	CECRL : **C1**	

INTERESTS AND ACTIVITIES

Spare-time   Crossfit, Domotics, Swimming, Jogging, Biking
Personal projects: Hemera - Intelligent System and Scripts-common

DETAILED EXPERIENCE

2016-2020   Senior Software Engineer at **Aston iTrade Finance** – Nancy, France
Software Editor – Fintech – 20 people
> ➢ In charge of Data Import features (about 150k+ buyers, 1.9M+ accounting documents)
> ➢ Re-implementation of 50+ heavy processes as a robust intelligent cascade of Jobs
> ➢ Management and improvement of Cloud usage
> ➢ Active in Technology Watching
> ➢ Improvement of Statistics Computation and Reporting features

C#, .NET Core, .NET Framework, Node.js, PHP, Composer, Symfony, Javascript, Angular, Backbone.js, AJAX, jQuery, UML
Visual Studio, Visual Studio Code, Azure Cloud, Redmine, Azure DevOps, Git, GNU/Linux, VirtualBox, Windows

2015   IT Consultant & Software Architect at **Versusmind** – Nancy, France
IT company – Digital architecture – 50 people
> ➢ Creation of a portal (Web Service) allowing medical staff to access to patient's medical records
> ➢ Creation of a dynamic Web graph system providing a complete overview of patient's lifeline
> ➢ Management of large data hosted by various RDBMS technologies

Java EE, JSP, Java Servlet, XML, [X]HTML, CSS3, Javascript, AJAX, jQuery, Spring, Struts 2, JSON, Highcharts, UML
IBM RAD, Eclipse, WebSphere, CVS, MS SQL-Server, Oracle, Windows

2013-2014   Senior Software Architect at **Exabuilder** – Paris, France
Software Editor – large data (scale: Exabytes) – 5 people
> ➢ Creation of Cloud Storage Web Services: Amazon (S3, Glacier), OpenStack Swift
> ➢ In charge of Technology Watching
> ➢ Full automation of build system (improvement of 80%)
> ➢ Implementation of re-branding features, securing 2 new customers
> ➢ Improvement of Archiving features to reach compliance with POSIX.1-2001

Java EE, JSP, Java Servlet, PHP, XML, [X]HTML, CSS3, Javascript, AJAX, jQuery, Struts 2, Axis 2, JSON, SOAP
Eclipse, Tomcat, Git, Ant, Jenkins, VirtualBox, Amazon (S3, Glacier), OpenStack Swift, GNU/Linux, Mac OS, Windows

2012-2013   Founder of IT company **Bsquare Consulting** – Nancy, France
IT company – Consulting, Designing, Development, Maintenance – 1 person
> ➢ Improvement of Software with strong real-time constraints (1k+ simultaneous connections)
> ➢ Design and development of Web Services (including an Amazon S3 emulator)
> ➢ Creation of 3 Web Sites; maintenance of 5 Web Sites
> ➢ Supporting strategic choices for hardware (including 5 computers) and Software

Java EE, JSP, Java Servlet, C/C++, PHP, XML, [X]HTML, CSS3, Javascript, AJAX, jQuery, Struts 2, Axis 2, JSON, SOAP
Eclipse, Tomcat, Git, Gitolite, Ant, Maven, VirtualBox, GNU/Linux, Windows, CMS (Wordpress, Joomla, Drupal)

2006-2012   Software Engineer at **Active Circle** – Vannes, France
Software Editor – large data (scale: tens of Petabytes) – 30 people
> ➢ Leader of Software Engineering team (2 people), and Quality Assurance team (3 people)
> ➢ In charge of the data archiving functionality on magnetic tapes, support of 4 TAR formats
> ➢ In charge of data import onto magnetic tapes from other systems
> ➢ Creation of API, command line system, and about 30 commands
> ➢ Design of various tools for analysis, optimization and/or to ease the work conditions
> ➢ In charge of source code, build system, re-branding and cross-platform compatibility

Java, C/C++, PHP, XML, Apache libraries, Google libraries, UML, Open Office
Eclipse, SVN, CVS, Git, Ant, VMware, VirtualBox, GNU/Linux, Solaris, Mac OS, Windows, Codendi, Sourceforge

2005   Final year project at **Centre National d'Études Spatiales** – Paris, France
Space industry – France's national space agency – 2300 people
> ➢ Design and development of a software platform for designing next generation launchers
> ➢ Implementation of features to model and simulate new systems with about 10 technologies
> ➢ Integration with 3 computation/simulation tools, implemented in MATLAB

Java, PHP, XML, Apache libraries, UML, Open Office
Eclipse, CVS, Ant, MATLAB, GNU/Linux, Windows