



Jeff Antoniotti

SOLUTION ENGINEER

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“Science is a predictive tool.”

Pre-Sales Skills

Lead Qualification	Support Sales rep while lead qualification: lead's organisation scan, identification of pains and key people
Bid	Writing of solution, architecture & sizing. May help on project cost too (man-hour)
Communication	Deliver highly technical speech to mixed audiences, formed with A-level and technical people
Purchase Process	Knowledge of Request For Participation & Purchase Processes, on the end-user side
Languages	English, French, some Italian understanding

Technical Skills

Programming & Building	JAVA, Haskell, InterSystems' Caché Object Script, SQL, Shell, Source Control, Test-Driven Dev, CI
Application Design & Architecture	REST-style Architecture, OO Design Patterns, J2E framework (Spring, Struts, Log4j), JSON
Application Integration	InterSystems' Message Oriented Enterprise Service Bus , HTTP, FTP, DNS, SNMP, NFS, SSH, LDAP, RBAC
NoSQL	InterSystems' Caché , the enterprise-graded, multimodel NoSQL DataBase & application server
Analytics	InterSystems' Analytics integration that allows analytics on mixed, structured and unstructured datas
Natural Language Processing	InterSystems' IKnow, the NLP solution on operational datas
Live Environments	Go-Live, Deployment Automation & Documentation, TroubleShooting

Experience

InterSystems - Software Vendor

Courbevoie, FR, 92

SALES ENGINEER

Sep.2014 - PRESENT

InterSystems' **Data Platform** allows its users to capture, share, understand and eventually act upon their operational data, in near real-time. Its unified, solid-as-a-rock architecture is a huge step towards success for those of our customers that are facing today's constantly evolving data challenges.

- Technical account for **Hôpital Foch**(1000 appointments/day) that sits in Suresnes(92), and is one of the three members of the **Paris Hospital Foundation**.
- Static code analysis tools development in order to evaluate the upgrade complexity and track its progression, deep involving with key users which are typically "very busy at other projects", massive refactoring hence non-regression testing and UAT, complete reboot of Ops procedures: automated installation, failover, backup, supervision and Go-Live.
- Implementation of real-time insights (average and standard deviation) on key indicators: number of messages to and from various actors involved into business processes and their associated latencies.
- Strategic POC at St Quentin which demonstrate usefulness and rapid deployment of the **HealthShare Enterprise Master Patient Index** solution.
- Involved into the first French sale of **HealthShare Enterprise Master Patient Index**, at Nice's CHU.
- Supervised learning: succesful POC on islamist tweets classification.
- Demo on **Predictive Model integration** into our Data Platform: guessing competitor's incentive to new customers.
- Creation of the GitHub's Sales Engineers French repository.

French Ministry of Finance, Payroll National Operator - End User

Paris, FR, 75

ENTERPRISE ARCHITECT

Sep. 2012 - Aug. 2014

Payroll National Operator's main purpose is to build the new "Fonction publique d'Etat" payroll, its companion BI solution and a Human Resource Information System (HRIS), the latter one being offered "as a service". As far as three millions civil servants are concerned, it belongs to the Government Modernization's Top 3 projects. The IT department vision is to offer IaaS to our contractors, SaaS to our end-users, and eventually chargeback. I had personal responsibility for our servers infrastructure and I must be hands-on lead for global IT coherence through normalization, technical coordination and animation, solution design / validation and datacenter design.

- Datacenter design and organization, in close relation with Network, Storage & System teams.
- Definition of private DNS domain & sub-domain.
- Server virtualization project : blueprint & technical presentation to our security officers.
- Strong support to contractor while solutions design and implementation : horizontal scaling via network load balancers, failover, SSL end-points, directory and SSO, secure exchange between servers, application build and deployment (automatisation, continuous integration, synchronisation of artefacts repository).
- Validation / Definition of project's architecture (e.g. Exadata integration in our infrastructure).
- Sizing validation and consolidation (RAM, CPU, HDD, Bandwidth), capacity planning.
- Request For Proposal writing (e.g. our 3-year x86 server procurement cycle), in relation with our Law Dpt and purchasing service.

Bull SAS - System Integrator

Les Clayes-Sous-Bois, FR, 78

APPLICATION & TECHNICAL ARCHITECT

Feb. 2008 - Aug. 2012

I have been involved into a vast range of IT activity from pre-sales to go-live: software integration, Proof of Concept, technical lead on fixed-price software projects, documentation, customer's project manager interaction.

- [Mediavision] Backoffice App audit by means of code review and static analysis tools.
- [French Customs Intranet] Overall design and architecture
- [French Customs Intranet] LDAP-based authentication & identification
- [French Customs Intranet] Portal mashups - widget & API / HTML-embedding by means of iframes / browser's new tab)
- [Naval Group FREMM] Tech Leader for a 7 software engineer team
- [Naval Group FREMM] Components' interfaces definition & implementation
- [Naval Group FREMM] L3-support for conception and development
- [Naval Group FREMM] Best practice enforcement: test-driven development, frequent and respectful commit, test suite runs, In charge of delivery and its conformity against specifications

Atos Integration - System Integrator

Paris, FR, 75

APPLICATION & TECHNICAL ARCHITECT

Feb. 2005 - Jan. 2008

I worked as an engineer then as an architect for Atos, mainly on the design and the implementation on big Java web apps. Examples of such apps are: Agrippa (French weapon owners tracking), Minos (overspeed fines), Cassiopée (French Civil lawcourt processing application)

- [Cassiopée App] Tech Leader for a 8 software engineer team.
- [Cassiopée App] Conception & development of the Cassiopée's publishing framework.
- [Cassiopée App] XML schema-based technical specification (about 600 publishing templates); POJO marshaling, XML serialization & transformation; third-party printing tools integration.
- [Cassiopée App] Unit and integration testing: extensive testing coverage policy; in charge of continuous integration (Ant + Junit / DBUnit + Cruise Control).

EBP - Software Vendor

Rambouillet, FR, 78

SOFTWARE DEVELOPMENT ENGINEER

Sep. 2004 - Jan. 2005

EBP is a billing+payroll+accounting specialist with a strong focus on small & very small businesses.

- Global cartography of the overall company's business processes
- Reboot of the Enterprise's Knowledge management system: left-pane, Explorer-like, navigation menu.
- Clickable items display was based on authentication levels : from public (internet, general documentation) to technical and commercial support (intranet), through various intermediate levels (customer or partner-specific package).
- Maintenance of the marketing department's Content Managing System.

French Ministry of Sports, FNDS - End User

Paris, FR, 75

SOFTWARE DEVELOPMENT ENGINEER

Sep. 2002 - May 2004

FNDS (now **CNDS**) promotes the "sport for all" vision, distributing financial aids to many local, regional and national associations. FNDS' budget was 248 MEUR for year 2004. Recipients logged into the existing public web app and filled in the details about their expenses in relation with the aid they received.

- Data agregation and sharing: Extranet conception & development (200 users on the whole territory).
- Data reformatting & uploading towards FNDS local officers's FTP - Data Processing from SQL Server 2000 To Excel & ACCESS by means of Microsoft's ETL solution Data Transformation Services.
- Data aggregation & HTML reporting towards national officers - ASP.NET / IIS, T-SQL, stored procedures (SQL Server 2000).
- Experts, developers and users coordination.
- Users Documentation & Teaching - User feedback collecting.
- In charge of the Extranet's deployment.

The École Normale Supérieure, HyperNietzsche - End User

Paris, FR, 75

SOFTWARE DEVELOPMENT ENGINEER

Sep. 2001 - Jun. 2002

Nietzsche Source is a publishing web site addressed to researchers in Humanities. Typical open source project: great remote team (Munich, Pisa, Paris) + innovative ideas implementation + scarce resources.

- Site architecture. Three releases during a 7-months mission.
- Data access layer: Classes' constructor/destructor by means of view and triggered associated stored procedure.
- The online translation module.
- An «html2php» sed program used to transform the Germany-based designers' html pages into php pages.

Paris 7 Denis Diderot University, Computer Science Dpt

Paris, FR, 75

RESEARCH & TEACHING FELLOW

Sep. 1996 - Aug. 2001

- Conception/evaluation of graduating student's final projects: protocol safety & liveness (nothing bad happens / something good eventually happens), race conditions.
- Computer science fields that I taught: system design & model checking, database design, Object Oriented Programming.
- Computer languages and tools that I taught : C/C++/Java/ORACLE, MAPLE.
- Other specific, model-checking, languages and tools.

The Direction Générale de l'Armement, Perception For Robotic Lab

Montrouge, FR, 92

RESEARCH FELLOW

Sep. 1995 - Aug. 1999

My domain thesis was about using some well known computer science tools (automata, model-checking) into the robotic field. As an example I have defended [this article](#) at a Stanford University AIIL conference.

Education

Denis Diderot University

Paris, France

PHD IN ALGORITHMIC

Sep. 1995 - Dec. 1999

Got a join DGA+CNRS Scholarship. DGA(resp. CNRS) is the French equivalent of DOD(resp. NSF)

Denis Diderot University

Paris, France

MASTER IN LOGIC AND COMPUTER SCIENCE

Sep. 1994 - Aug. 1995

Aix-Marseille I University

Marseille, France

GRADUATE IN PURE MATHEMATICS

Sep. 1993 - Aug. 1994

Aix-Marseille I University

Marseille, France

UNDERGRADUATE IN PURE MATHEMATICS

Sep. 1992 - Aug. 1993

Hobbies & Others

Beach Volley - Swimming - Good books, Art Museum, Music & Cinema - Travel.