

François Desaulniers

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CAREER SUMMARY

Mr. François Desaulniers is an Information technology professional, having up to twenty (20) years of experience in the IT industry as a system analyst, process analyst, coordinator of service levels and analyst-programmer. Mr. Desaulniers worked at various levels of the principal systems of the provincial government of Quebec and the Canadian federal government, and at corporations such as Canada Post, Via Rail and Bombardier. Mr. Desaulniers often worked within a framework which required much autonomy. He is perfectly bilingual (French and English) and also controls Spanish.

EDUCATION

Bachelor's degree in Computer Science and Mathematics, University of Sherbrooke, 1988

IMPROVEMENTS

Methodology DMR Productivity Plus, 2002-2004
Certification Peregrine AssetCenter, course of the software package AssetCenter, 2001
Praxis Institute Training, Java programming, C++ programming, 2000
Compétence Outaouais Center, course of DBMS, course of data modeling, Silverrun, SQL, Ingres, Visual Basic, Fox Pro, PowerBuilder, Oracle SQL Query, 1994-1995
PAWS Inc., course of data modeling, 1993

EXPERTISE

- Information System development
- Business rules specifications
- Maintenance and evolution of the systems
- Test strategies
- Supervision of development teams
- Design, data modeling and processing
- Technical studies

PARTICULAR KNOWLEDGE

Hardware

IBM Mainframe 3090, IBM PC, MAC, UNYSIS, UNIX

Languages and tools :

COBOL MVS, COBOL II, DC-COBOL, CA-IDMS COBOL, UNIX-COBOL, Cool:Gen, IDMS, DB2, ADSO, JES2/JCL, WLF, LRF, DMS II, JCL, Java, C++ , C, C#, HTML, Pascal, Modula II, Clipper, Lisp, UNIX Script, ASP, ASP.net, PHP, MySQL, VBScript

Utilities :

TSO, XP-DEV V.4 for UNIX, CA-IDMS, CA-DME, CA-OLM, CA-ADSO/Online, XP-DEV,v.4 for UNIX, Oracle SQL-Host, SQL Plus, DbPartner Debugger for Oracle, SDFGEN, OLP, DMLO, Common Architecture, Endeavour, VSAM, Lotus SmarteSuite, MS Office 97-2000-NT-XP Pro, WordPerfect, dBase III, Corel Suite, ISPF/PDF, File-Aid, Cool:Gen Tool, DASDL, OLQ, IDD, Infoman, Clist, QSAM, Netscape, SQL Query, Platinum, Ctrl-M, IFTP 3.2, DMR P+, MRQ métadatas, Myextra!Entreprise, SPITAB, HAP-Admin, Foxserv, ASP-PHP Editor, PHP MyAdmin, SAS, SQL *Loader, Live Link, NeoBatch , Print Key.

Operating systems, PGI, softwares :

Windows 3.1, Windows 95, Windows 98, Windows 4GL, Windows NT, Windows XP-PRO, Linux Ubuntu 8.10 and 9.04, OS/MVL, HP-UX, IIS server, Apache server

Software packages :

Oracle eBusiness Suite 11i et 12, Oracle Content DB, DBMS Oracle 10g, Visio, Silverrun, Toad, Peregrine Service Center, Peregrine Asset Center, MSN Calendar, Google Agenda

Methodologies :

DMR Macroscopic, DMR P+, AIM, ITIL practice, UML and OOP (Object oriented) UML formalism, Macroscopic adapted with IEEE 12.207 standards.

WORKING LANGUAGES

Spoken : English, French, Spanish
Written : English, French, Spanish

PROFESSIONAL ACHIEVEMENT GRID

Mandat number	Employer / Client	Project/Mandate Title	Period	Type of intervention	Reference Tel. no.	Efforts (months)	Scale of the project (d-p.)
DMR Conseil							
30	DND (KMS)	Knowledge Management System	09-08 06-09	System analyst	Fernand Boudreau (418) 653-6881	9	12 500
29	CSST	Modernisation of the services at CSST	04-07 06-08	System analyst	Sylvio Rancourt 418 266-4321	14	40 000
28	DMR	NeoBatch training	07-04 07-04	Course designer	Pierre Jutras (418) 933-1716	1	---
27	CSPQ	SAGIR project : Implementation of the Oracle PGI	04-06 to date	Service Level Coordinator	Sylvain Montour (418)528-2059	34	10 000
26	MRQ	Electronic exchanges - Inscription of the preferences	04-04 to 04-06	System analyst	Dany Richard (418) 652-4985	2	10 000
25	DMR	DMR Conseil Internet site	02-04 to 03-04	Technical and System analyst, programmer	Isabelle Laterreur (418) 653-6881	2	---
24	MTQ	SAGIR project: analysis of the inter-system data flows	12-03 to 02-04	System analyst	Charles Perrault (418)380-2005	3	11 1500
23	MRQ	Conversion in XP-M3 of the TP1 System and of the Data Warehouse	10-02 to 11-03	System analyst and analyst-programmer	Laurent Dion (418) 652-5716	12	1000
22	MESS	Adaptation of the Income Security systems for the production of the R1/T4A R5 statements	06-02 to 09-02	System analyst and analyst-programmer	Yves Couillard (418) 653-6881	3	1400
21	MAMM	Integration of the districts and the multiple rates of taxes to system ACQ	01-02 to 03-02	System analyst and analyst-programmer	Michel Beauchemin (418) 653-6881	3	400
Bank of Canada (Mandate with Kishi Consulting Inc..)							
20		RDMS Project	03-01 to 12-01	System analyst and analyst-programmer	---	9	1800
Public Works and Governmental Services Canada (Mandates with Systematix Inc.)							
19		GOS - production of cheques center	12-00 to 02-01	Process analyst	Peter Lwow (819) 956-2718	3	5000
18		GOS – quality assurance, Internet documentation project	12-99 to 11-00	System analyst	John Hunter (819) 956-1971	12	3000
Public Works and Governmental Services Canada (Mandates with Kishi Consulting Inc.)							
17		Pension system – Streamlining project	01-99 to 11-99	System analyst	Annie Archambault (819) 956-1167	11	100 000
16		Pay System	10-97 to 12-98	System analyst	Annie Archambault (819) 956-1167	14	100 000
15		Common Architecture system	04-97 to 09-97	Analyst-programmer	Peter Tighe (613) 748-4067	5	10 000
Employment and Immigration Canada (Mandate with Kishi Consulting Inc.)							
14		IPAR system	04-96 to 04-97	Analyst-programmer	---	12	---
Public Works and Governmental Services Canada (Mandate with Veritaaq Technology House Inc.)							
13		Pension system	10-95 to 03-96	Analyst-programmer	Beverly Miller Peter Kløver	5	---

Mandat number	Employer / Client	Project/Mandate Title	Period	Type of intervention	Reference Tel. no.	Efforts (months)	Scale of the project (d-p.)
Revenue Canada, Customs and Excises (Mandates with Veritaaq Technology House Inc.)							
12		TRS application	07-93 to 09-95	Analyst-programmer	---	26	---
11		HRS application	06-92 to 06-93	Analyst-programmer	---	12	---
Supplies and Services department Canada (Mandate with APG Inc.)							
10		Corporate PASS system	01-92 to 05-92	Analyst-programmer	---	4	---
Supplies and Services department Canada (Mandate with Veritaaq Technology House Inc.)							
9		Pay system	01-91 to 12-91	Analyst-programmer	---	12	---
Via Rail inc. (Mandate with APG Inc.)							
8		IMPS system	03-90 to 12-90	Analyst-programmer	Pierre Charrette	9	---
Bombardier inc. (Mandate with APG Inc.)							
7		Warranty and Insurance systems	09-89 to 03-90	Analyst-programmer	---	6	---
Canada Post Corporation (Mandate with Systems Network Inc.)							
6		System information and Time Costing System	09-89 to 04-89	Analyst-programmer	---	6	---
Énergie, Mines and Resources Canada (Mandate with Systems Network Inc.)							
5		Student hiring system	04-89 to 02-89	Analyst-programmer and technical support	---	3	---
Canada Post Corporation (2 nd , 3 rd et 4 th student work term - University of Sherbrooke)							
4		System information	08-88 to 05-88	Analyst-programmer	---	4	---
3		Architecture Processing, S.I.G	12-87 to 09-87	Analyst-programmer	---	4	---
2		Priority Post Track and Trace System	12-86 to 09-86	Programmer	---	4	---
Quebec Communications Department (1 st student work term - University of Sherbrooke)							
1		Central Information Office	04-86 to 01-86	Programmer	---	4	---
Amicale des sommeliers du Québec							
Volunteer	---	Design and maintenance of the web site	09-97 to date	Webmaster	---	144	---

ACHIEVEMENTS

DMR Conseil

January 2002 to date

N° 30

System analyst

9 months

Knowledge Management System

09-2008 to 06-2009

DND (KMS)

The main objective of the project is to provide the Department of Defense a national collaborative knowledge management system that will provide Canadian Forces the flexibility to structure its knowledge in order to share with one or more groups, receive any feedback from key participants on specific subjects thus a multi workflow, and multiuser multienvironnement.

KMS offers a collaborative environment supporting the Canadian Forces military personnel in their process of knowledge management such as lessons learned, doctrine and support systems. The application facilitates the synchronization between these three areas and standardize the help of all the systems in LFC2IS ("Land Forces Command and Control Information System). It will help context-oriented task of the military, improve and facilitate training and feedback (feedback) from the staff military aspects of all areas and formalize the exchange of information and knowledge between the organizations of the army.

The system has undergone periodic deliveries under the Land Force Command and Control Information System (LFC2IS) since the introduction of contract development and maintenance in February 2005.

Working as an analyst, Mr. Desaulniers is working to functional analysis of central processing units (SDS), records functional testing (TVPR) and achievement tests (TVRR). M. Desaulniers acts specifically on the structure activities and various other folders. This role led him to make sure to bring the case in many analysis, implementation, testing and the delivery into production..

Environment : Windows Microsoft Office Suite (Word, Excel, Power Point, Visio), Microsoft Visual SourceSafe, Entreprise Architect, RA Quest, Mantis, Linux Ubuntu 8.10 and 9.04

Method : Macroscopic adapted with IEEE 12.207 standards

N° 29

System analyst

14 months

Modernisation of the services at CSST

04-2007 to 06-2008

Workplace health and Safety Commission / Commission de la santé et de la sécurité du travail (CSST)

In order to get a quick response for its business needs while minimizing the future costs of integration, improvement and development, CSST decided to carry out the modernization of its services on the basis of an existing commercial solution. The Modernization of the services at CSST project is a complete overhaul of mission systems for the CSST based on Oracle software solutions (Financial suite), Siebel (CRM) and Fair Isaac (business rules).

CSST has entrusted DMR with the full responsibility for the configuration and implementation of the solution. Overall, the scope of the corporate project is to modernize all services about repair system, financing system, prevention / Inspection and Administration systems, and all this in both direct service and in terms to support it. The specific scope of work for DMR requires several deliveries spanning from May 2006 to 1 December 2008, followed by a period of maintenance and keeping the solution until December 2010.

Working as an analyst, Mr. Desaulniers works with the integration team to analyze Interfaces (MD050), the functional testing kits (TE030) and the tests themselves (TE080). Mr. Desaulniers operates particularly as a leader of system interfaces folder between the bank, CSST and the agent hub of the commission. That role led him to make sure to bring the case to many in the analysis, implementation, testing and delivery in production.

Environment : Oracle eBusiness Suite 11i, Oracle Content DB, Customer Data Hub, XML Publisher, Business Process Execution Language (BPEL), Ascent Capture, RighthFax, Oracle Collaboration Suite, Cisco ICM, OID, DBMS Oracle 10g, Windows 2003 DataCenter Edition, Windows 2003 Enterprise Edition, Windows Active Directory, HIS gateway, BizTalk, SharePoint and Content Management Server, IIS web server, SAS

BusinessObjects DB2, Unisys Itanium2 server, HP Proliant server.

Methodology : AIM

N° 28

Course designer

1 month

NeoBatch training QF01

04-2007 to 04-2007

DMR Conseil

NeoBatch from Fujitsu is a mainframe file management tool using the Microsoft Windows platform. It allows to catalog PDS, datasets and members, to edit them, to make a scan on JCLs and to execute them as it is done on a mainframe. The current course in English is designed for all NeoBatch users. The new course however is for French-speaking operators at Desjardins Groupe d'Assurances Générales (DGAG).

Mr. François Desaulniers acted as a designer of the NeoBatch course. He identified the tool functionalities in its English version which are needed at the client (DGAG), prepared the course plan, the trainer guide and the student material - presentation, exercises and solutions. He validated the contents and simulated the presentation with a NeoBatch expert and several people involved in order to extract what is required at the client site from the tool specifications (and translated them in French).

Environment : NeoBatch, MS Power Point, HTML, Print Key, MS Paint, MS Word, MS Excel, Windows XP.

Methodology : DMR P+

N° 27

Service level coordinator

34 months

SAGIR project : Implementation of the Oracle PGI

06-2004 to 03-2007

**Quebec
Shared
Services
Center**

(CSPQ)

The development of the SAGIR system and its maintenance require the installation and the coordination of a support team for the development for the administration activities of the Oracle PGI, of the resolution of the incidents, realization of the change requests, management of the test environments, and management of the technological changes. Processes of management of the change requests, management of the configurations (30 development environments) and of management of the incidents were analyzed, established and documented in order to optimize the service of support for the development teams. The established processes are based on the ITIL practices.

Mr. François Desaulniers acted by way of coordinator of the EPC (Environments, Problèmes and Changes), of coordinator of the tests of maintenance and person in charge for the follow-up of the changes.

He conducted the weekly committee of the gathering EPC of the representatives of each following group: functional architects, the technological team, owners of the environments, system administrators, the technological team of Oracle, etc. This committee discusses the decisions to take in regards with the incidents and the change requests of strong gravities, and about the evolution of the environments. On a daily basis, Mr. Desaulniers ensured an assiduous follow-up of the incidents and change requests with the Peregrine Service Center application in order to make them progress through while making sure that these requests were tested and reflected in all the environments suitable with the requirement. He prepared the weekly report/ratio of the management indicators for the change requests. He was also responsible for gathering and following the requests by delivery for the production which he submitted to the committee for this purpose. This committee approves in a final way the change requests to be delivered in production before their realization.

Environment : Peregrine Service Center, Lotus Notes, Live Link, HTML, Oracle PGI, Visio, Documentation tools like MS Word, MS Excel, Windows XP, Oracle eBusiness Suite 11i and 12, DBMS Oracle 10g.

Methodology : AIM

Pratice : ITIL

N° 26 System analyst 2 months
Electronic exchanges - Inscription of the preferences 04-2004 to 06-2004

Revenue
Quebec

(MRQ)

Within the framework of the electronic exchanges project, the registered companies with CLIC Revenue will be able henceforth to use the Web payment services in order to specify some of their preferences, in particular the one to receive their report/ratio of handing-over by mail or electronic sending. As a systems analyst and analyst-programmer, Mr. Desaulniers developed a generic task program on the mainframe system allowing to manage the updates of the preferences of the "enterprise" users. The deliverables were design specifications, test specifications, technical realization, support with the realization, unit, functional and acceptance tests, and the setting in production.

Environment : TSO ISPF, COBOL, IDMS, JCL, File-Aid, Spitab, MyExtra!Entreprise 7.0, Mainframe IBM 3090, CA-IDD, Panvalet, Visio, documentation tools like MS Word, MS Excel, MS Access, Windows 2000

Methodology : DMR Macroscopic, DMR P+

N° 25 Technical analyst and system analyst, 2 months
programmer

DMR Conseil Internet site 02-2004 to 03-2004

DMR Conseil

A team was chosen at DMR Conseil to convert their Internet site in order to make its maintenance dynamic and to allow the DMR administrators to modify it without having to ask for the intervention of a programmer.

As a systems analyst, organic and programmer, Mr. Desaulniers carried out the visual analysis of all the complete site by outlining his recommendations. He also made various analyses of the ASP.net code and C # current in order to bring his ideas to it and to propose certain improvements. He also took part in the conversion of the page of the courses offered by DMR to companies using the XSL style sheets and of the XML data format.

Environment : Internet, ASP.net, XSL, XML, XSLT, MCMS, C#, MS Word, MS Excel, MS Access, Windows 98

Methodology : DMR Productivity Plus (DMR P+)

N° 24 System analyst 3 months
SAGIR project: analysis of the inter-system data flows 12-2003 to 02-2004

Transport of
Quebec
Department

(MTQ)

The SAGIR project aims in the long term to carry out the establishment and the deployment of an integrated solution of the systems into the MTQ. It is a major project within the department which will generate very important changes with its business processes, just as within its systems. It touches the fields of human, financial and material resources directly. More particularly, it covers several aspects such as : informational stock management, architectural work, achievements of adaptation of the systems, the development of interfaces and data conversion.

As a systems analyst, Mr. Desaulniers carried out the analysis of the information flow between the budgetary follow-ups system (PEB-0250) and all the systems with which it interacts, and this, for each facet by explaining the transformation applied to the metadata. In the same way, he made the analysis of the management system of the piloting tables (GBD-6005) and of the systems with which it interacts.

Environment : Mainframe IBM 3090, CA-IDD, Panvalet, TSO ISPF, COBOL, IDMS, JCL, SAS, CLIST, Oracle-SQL HOST, SQL*Loader, SQL Plus, Toad, MS Word-, MS Excel, MS Access, Windows NT, Visio, Internet, ASP

Methodology : DMR Productivity Plus (DMR P+)

N° 23	System analyst and analyst-programmer	12 months
	<i>Conversion in XP-M3 of the TP1 System and of the Data Warehouse</i>	<i>10-2002 to 11-2003</i>
Revenue Quebec (MRQ)	<p>Within the last years, the MRQ obtained a data warehouse with the objective of fighting tax evasion. The department wishes to widen the customers of the data warehouse and to achieve this goal, it must increase the frequency of data refreshing of the income tax returns of individuals and to increase the robustness of certain data feeding processes. Thus the department entrusted DMR with the mandate of consolidating certain data warehouse feeding.</p> <p>As a systems analyst and analyst-programmer, Mr. Desaulniers carried out the conversion XP-M3, as well as the improvement of functionalities reporting to the Loading System of all companies to the data warehouse. Mr. Desaulniers was also responsible for converting the current programs, in order to allow, on request, a massive loading of the department data warehouse.</p> <p>Environment : UNIX XP-UX, UNIX Script, XPDEV version 4, COBOL FOR UNIX, Oracle-SQL HOST, SQL*Loader, SQL PLUS, DbPartner Debugger for Oracle, IFTP 3.2 (IFTP32), metadata MRQ , TSO ISPF, COBOL, IDMS, JCL, File-Aid, SPITAB, Myextra! Entreprise 7.0, Mainframe 3090, CA-IDD, Panvalet, Visio, documentation tools like MS Word, MS Excel, MS Access, Windows NT</p> <p>Methodology : DMR Productivity Plus (DMR P+)</p>	
N° 22	System analyst and analyst-programmer	3 months
	<i>Adaptation of the Income Security systems for the production of the R1/T4A R5 statements</i>	<i>06-2002 to 09-2002</i>
Employment and social Solidarity Department (MESS)	<p>As an analyst, Mr. Desaulniers took part in the technical realization of the Adaptation project of the Income safety systems for the production of the R1/T4A R5 tax statements. He carried out the technical analysis, the programming and the online and remote unit tests. He also delivered the modifications to the functional systems analysis.</p> <p>Environment : PC-IBM, IDMS, VSAM, JCL, CICS, COBOL, Librarian, MGS, Expediter, File-Aid, Abend-Aid, 3090 IBM, TSO/ISPF, Visio, Windows, Word, Excel, MS Project, Outlook</p> <p>Methodology : DMR Productivity Plus (DMR P+)</p>	
N° 21	System analyst and analyst-programmer	3 months
	<i>Integration of the districts and the multiple rates of taxes to system ACQ</i>	<i>01-2002 to 03-2002</i>
Municipal and Metropolis businesses Department (MAMM)	<p>As a systems analyst, Mr. Desaulniers realized in the framework of municipal fusions, the new functionalities referring to district integrations, municipalities of origin and multiple rates of taxes, as well as new functionalities found in the 2001-2002 development plan. The deliverables to produce were as follows:</p> <ul style="list-style-type: none"> – to update the rates of tax; – to update and validate the requests for compensation; – to bind the buildings to a request for compensation; – to bind the taxes to a building; – to bind the certificates to a building. <p>Environment : IBM mainframe 3090, MVS-ESA, TSO/ISPF, Database CA-IDMS, CA-ADS/Online and COBOL, CA-IDD, Panvalet, documentation tools like MS Word, Windows NT</p>	

Employment and Immigration Canada

April 1996 to April 1997

N° 14 **Analyst-programmer**
IPAR system

12 months
04-1996 to 04-1997

The IPAR System functions on a Unisys exploitation system. Throughout its contract with EIC, Mr. Desaulniers analyzed system IPAR (Immigration Payment Account Receivable) and conceived all the necessary specifications. He modified all the programs COBOL (100) and SDF in line (15) and related modules, all the floods of task WFL and converted the data bases DMSII of IPAR in order to make it year-2000 compliant. The system was to be imperatively converted before January 1997. Thereafter, he also conceived specifications and modified system IPAR, according to the customer's requests. Mr. Desaulniers was responsible for testing all the changes for the setting in production.

Environment : COBOL, LAN, Microsoft Windows, IBM MVS Mainframe, Unisys A-Series, Cande, WFL, SDF, DASDL/DMSII, Banyan, Beyondmail

Public Works and Governmental Services Canada

October 1995 to March 1996

N° 13 **Analyst-programmer**
Pension system

5 months
10-1995 to 03-1997

As a systems analyst, Mr. Desaulniers was responsible for analyzing the problems that were found and maintaining the programs of the Pension System. Mr. Desaulniers was also responsible for carrying out unit tests and the delivery of all the modified components.

Environment : COBOL/IDMS, DC-COBOL/IDMS, JCL, LAN, Microsoft Windows, IBM MVS Mainframe, OS/MVS, TSO/ISPF, IDMS

Revenu Canada, Douanes et Accises

June 1992 to September 1995

N° 12 **Analyst-programmer**
TRS application (Technical Reference System)

26 months
07-1993 to 09-1995

**Revenu
Canada,
Douanes et
Accises**

As a systems analyst, Mr. Desaulniers was responsible for analyzing and conceiving the specifications as well as maintaining the ADS/Online application of TRS (30 functions) according to requirements of the client. The TRS application is a frame of reference on the rules of the government provided to the clerks that are at customs. On this project, some Cobol programs also had to be maintained. Mr. Desaulniers provided on-call services for production problems out of the business hours. Mr. Desaulniers was also responsible for the unit tests and the delivery of all the modified components.

Environment : ADS/ONLINE, DC-COBOL/IDMS, COBOL II/IDMS, JCL, DMLO, OLQ, IDD, DME, OLP, Infoman, Laptop, TPX, LAN, Microsoft Windows, TPX, IBM MVS Mainframe, OS/MVS, TSO/ISPF, IDMS

N° 2 **Student work-term programmer** **4 months**
Priority Post Track and Trace System *09-1986 to 12-1986*

Priority Post Track and Trace System is a complex batch and online mainframe system. Upon the specification provided, as a student work-term analyst programmer at Canada Post Corporation, Mr. Desaulniers coded the ADSO/online IDMS program as well as the batch COBOL/IDMS programs. He was responsible for the unit tests. To do so, he used the DMLO and IDD tools.

Environment : ADS/Online, Cobol, IDMS, DMLO, IDD, Mainframe.

Ministère des Communications du Québec **January 1986 to April 1988**

N° 1 **Student work-term programmer** **4 months**
Central Information Office *01-1986 to 04-1986*

Upon the specification provided, as a student work-term analyst-programmer, Mr. Desaulniers coded the batch COBOL/IDMS programs. He was responsible for the unit tests. To do so, he used the DMLO and IDD tools.

Environment : Cobol, IDMS, DMLO, IDD, Cobol, Mainframe.

Permanent volunteer mandate

September 1997 to date

Volunteer Webmaster

144 months

Site Web

09-1997 to date

**Amicale des
sommeliers du
Québec**

The Amicale des Sommeliers du Québec is a non-profit organization acting as a wine tasting brotherhood on a provincial scale. It offers courses on wine and related activities in its five regional sections including metropolitan Montreal, Quebec, the Heart of Quebec, Eastern Townships and the Outaouais.

As a self-educated voluntary Webmaster, Mr. Desaulniers is the single originator of the architecture, the design, the data modeling and the complete design of the ASQ Internet site (<http://www.amicaledessommeliers.com>).

Mr. Desaulniers initially wrote the site in the HTML language in 1997. In order to make it dynamic, the site was then converted by Mr. Desaulniers into ASP, JavaScript, VBScript by using a MS ACCESS (SQL) database on IIS server (in 2001). Later in 2003, the site was reconverted by Mr. Desaulniers in the PHP language, JavaScript on APACHE server using a MySQL database.

Evolving within a framework client/server, the site of the ASQ comprises a shutter Intranet made safe by the algorithms coded by Mr. Desaulniers where voluntary regional delegates enter the data relating to their regional section the database. The other shutter is public and the Net surfers view information thus available there. Mr. Desaulniers deals with the data modeling and the establishment of the new elements of the relational database.

Environment : Internet, Linux OpenSource Ubuntu 9.04, Django, Python, Windows XP PRO, CMS Made Simple, Object oriented UML formalism (OOP UML), PHP (OOP), MYSQL, PHP-MYADMIN, DB designer 4, dbQwikSite 4.2, EasyPHP, ConText, HASP Editor, Windows 98, Gaspi, ASP, Web Expert, MS Access, MS Excel, MS Word, Netscape Composer, MS Internet Explorer, FTP IPSwitch, Apache, IIS.