

Wihem ARSAC (born KHERRATI)

39 years old. Nationality: French

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COMPUTER SCIENCE ENGINEER 15 YEARS EXPERIENCED

COMPUTER SKILLS

- **SAP** knowledge: ERP, CRM, R/3, Pricing Engine, Sales, Security&Trust.
- Strong practice of **Unix/Windows** software development (UML, eclipse, perforce, ...).
- Programming experience in: **JAVA, C++, C, ABAP, ADA, LISP, Prolog, *sh, XML**.
- Web Services : BPMN/BPEL, SOAP, UDDI, WSDL.
- Multiplatform porting (all Unix flavors and 32 to 64 bits).
- Application-server and multi-tiers technologies (Java **Netweaver, EJB**)
- Security protocols, Cryptography.
- Database: **Oracle, MS-SQL, maxDB**.
- Research and development for 3D computer-graphics (ray tracing, volume rendering, level of details, radiosity, ...).

PROFESSIONAL EXPERIENCE

- Since 2008** **Security&Trust Researcher (SAP Research – ERP enterprise – 41 000 employees)**
Responsible of WorkPackages for the **AVANTSSAR** FP7 EU project, that aims to propose a rigorous technology for the formal specification and Automated VALidationN of Trust and Security of Service-oriented ARchitectures.
- Specifications of an Industrially Suited and Formal languages for defining trust and security properties of services, their associated policies, and their composition into Service-Oriented Architectures.
 - Implementation of the AVANTSSAR Validation Platform.
 - Migration of the project results to the SAP development environnement.
- 2000-2008** **Development Engineer (SAP – ERP enterprise – 41 000 employees)**
- Java development and 3rd level support as part of the **Customer Relationship Management** team for pricing softwares: Netweaver application server architecture, R/3 to CRM conversion, sales area.
 - Architectural migration (to Java) and Multi-scenarios adaptation (CRM Order, SRM, ISA R/3, Mobile Sales, e-Commerce, ...)
 - Adaptation of the **Internet Pricing & Configuration** software to the light PDA architecture (iPAQ) for the **Direct Store Delivery** market.
- 1998-2000** **Development Engineer (ATOS Origin – computing services company – 50 000 employees)**
- **HP-OPENVIEW** porting to 64bits Digital Alpha. Based on **CMIP** and **SNMP** protocols. HPOV-ITO monitors system and network ressources and is about 5 millions lines of **C/C++**.
 - Analysis and implementation of the security layer of SNMP V3 (Simple Network Management Protocol).
- 1994-1998** **Product Responsible (MECALOG – Crash-Test Simulation company – 30 employees)**
- Team leader for development and support of **ModAnim**, a 3D interactive animation software for visualization of numerical simulations. ModAnim is about 80 000 lines of **C/OpenGL**.
 - Frequent contacts with hardware manufacturers. Porting for all major UNIX vendors and hardwares (Silicon Graphics, IBM , HP, DEC, SUN). Test and optimization for new 3D video cards (strong technical partnership with Silicon Graphics).

- Customer **training** during international workshops, occurring every three months.

1993-1994 **Research & Development Activities (INRIA – Computer Science National Research Center)**
Development and support of **VIGIE a 3D interactive software for visualisation of numerical computation results**. Research and development of many new **3D** visualization algorithms.
Contribution to Open-Source code.

1992-1993 **Trainings (GEOIMAGE, INRIA)**
- Design and implementation of a satellite image processing software, (6 months training), for GEOIMAGE, Sophia-Antipolis.
- Development of a tridimensionnal mesh visualization software at INRIA, Sophia-Antipolis.

TRAININGS

2007 **SAP:** SCM, Sales&Distribution / Sales Order.
2000-2007 Numerous **ABAP** trainings: Oriented Objects, Workbench Foundations, Advanced ABAP, ...
2006 Intercultural competence. SAP training center.
2005 **EJB** conception and development. Valtech training center.
1995 **OpenGL:** Advanced Notions, Silicon Graphics training Center.

EDUCATION

1990-93	Computer Science Engineer diploma at Polytech'Nice (option Génie Logiciel)	<i>Sophia-Antipolis</i>
1993	Master Degree (DEA) in Computer Sciences	<i>Nice Sophia-Antipolis University</i>
1988-90	DEUG A - Mathematics and Computer Sciences	<i>Orléans University</i>

LANGUAGES

French	Native language
English	Daily practice
Spanish	Read, Spoken
Italian	Read, Spoken
German	Beginner
Arabic	Beginner

PUBLICATIONS

- “Etudes d’algorithmes graphiques dans le cadre de la simulation numérique”, R.Fournier, W.Kherrati, INRIA research report n°2502, Program 6, 1994
- “Rendu volumique pour des maillages non-structurés complexes”, W.Kherrati, Rapport des “Journées AFIG” (Association Française pour l’Informatique Graphique), 1993