

CURRICULUM VITAE

Proposed role in the project:

Category: **Senior IT and ASYCUDA Expert**

Staff of

1. Family name: **SIMAN**
2. First names: **Paul**
3. Date of birth: **07/07/1957**
4. Passport holder: **Romanian**
5. Residence: **Romania**
6. Education:

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
Polytechnic University, Bucharest – Faculty of Aerospace Buildings (1977 -1983)	No final diploma (because of political reasons, at that time)
Polytechnic University, Bucharest – Faculty of Computers and Automation (1983 -1984)	No final diploma (because of political reasons, at that time)

7. Language skills: Indicate competence on a scale of 1 to 5 (1 – excellent; 5 - basic)

Language	Reading	Speaking	Writing
Romanian	Mother tongue	Mother tongue	Mother tongue
English	1	1	1
French	1	1	1

8. Membership of professional bodies: **Member of GURU (Unix Resources User Group)**
9. Other skills: (e.g. Computer literacy, etc.)
- **Extensive IT, RDBMS, telecommunications knowledge and experience;**
 - **Fully familiar with Single Window standards and best practice (UNECE Recommendations, WCO Concept, WCO data Model 3 etc).**
10. Present position: **Consultant (Freelancer)**
11. Years within the firm: **N/A**
12. Key qualifications: (Relevant to the project)
- **More than 28 years of IT experience** of which **more than 16 years of experience in Customs automation** in Europe, Central Asia, Middle-east and Africa regions;
 - **More than 18 years of in-depth knowledge of the UNCTAD ASYCUDA system** (all versions) and of software developments in the ASYCUDA environment (platform, templates, programming languages etc);
 - **Fully familiar with Single Window standards and best practice** (UNECE Recommendations, WCO Concept, WCO data Model 3 etc); More than 3 years of practical experience of development and implementation of Single Window Components;
 - **Extensive experience in Customs matters; Very good knowledge of international standards in the Customs sector.**
 - **Trained expert in the EU standards and systems**, including TARIC, NCTS, EMCS, etc); **Inside knowledge and experience in development and implementation of Customs IT sub-systems compatible with the EU standards and best practices;**
 - **Inside knowledge of the operational AW system of the Moldovan Customs Service (MCS) and Georgian State Revenue Service (SRS).**
13. Specific experience in the region:

Country	Date from - Date to
Moldova	Since 2004
Georgia	Since 2006
Albania	Since 2006
UK/Gibraltar	Since 2008

14. Professional experience

Date from - Date to	Location	Company& reference person (name & contact details)	Position	Description
2009 – To date	Bucharest		Consultant ICT System Architect	<p>Technical consultancy for the Software Projects run by the company for different national and international private companies.</p> <ul style="list-style-type: none"> • Design and programming of software application around Oracle Database engine using oracle tools and services based on Java, PL/SQL and C/C++. • Development of an XML translator compatible with the different Data Object Models (DOM) defined by the European Commission (EC) for the exchange of data between different government agencies within the EU countries. • Definition of minimal base software and communication requirements for the implementation of security policies within a Web based application server functional application. • Analysis, developing of technical specifications for designing and programming of software components (postman for message exchanging) based on EU provisions for EMCS (Excise Movement and Control System) using SOClass Application Server technologies. • Development of terms of reference and specific documents for the tenders on what the company has participated linked to the development of application software components based on Web services around an application server using Java Integrated Development Environment.
	Gibraltar	<p>UNCTAD Mr. F.Millet, Head of ASYCUDA Program Email: fabrice.millet@unctad.org</p>	ICT & ASYCUDA Consultant AW Project in H.M. Customs Department Gibraltar (CDG)	<ul style="list-style-type: none"> • Implementation of AW paperless environment for Customs and trade, through: <ul style="list-style-type: none"> - Implementation of electronic signature within CDG AW environment; - Integration of other administrations and regulatory bodies involved in export/import procedures, in the CDG environment in a paperless approach; • Integration of the following electronic payment methods in CDG AW environment: <ul style="list-style-type: none"> - Internet banking - use of bank's secure website to perform transactions and payments; - Direct debit - payment method that allows CDG to collect Customs duties directly from importers bank accounts; - Debit or credit card by Point-of-Sale POS terminals - a fully integrated system that can link the Point-of-Sale (POS) system directly to a specific CDG AW transaction; - Debit or credit card over the internet - possibility to pay Customs duties over the internet using a payment service provider; • Interfacing of the GDG Enforcement Department i2's Analyst Notebook Investigation System with CDG AW database; • Development and integration into the operational CDG AW environment of a CDG ASYCUDA extension/e-document for management of Import Licenses, Permits and Authorizations. • Provision of assistance to CDG in the roll-out the accepted CDG AW prototype. • Provision of remote technical assistance and support on AW and IT matters.

	Moldova	ICT & ASYCUDA Consultant <i>AW/TIR Project</i>	<ul style="list-style-type: none"> • Implementation of the AW/TIR system (extended with the exchange with IRU Geneva Web services) within the MCS ASYCUDA operational environment: <ul style="list-style-type: none"> - Realization of the MCS AW/TIR prototype; - Installation of MCS AW/TIR prototype in the MCS-AW operational environment and its subsequent configuration, testing and fine-tuning; - Supervision of the first days of the MCS AW/TIR operation; - Technical training of the MCS staff on the administration and maintenance of the MCS AW/TIR system. • Development and update of the MCS AW/TIR system at the latest IRU-TIR release extended with web services for data exchanging (including all NCTS type messages): <ul style="list-style-type: none"> - Realization of the new MCS AW/TIR prototype; - Installation of the new MCS AW/TIR prototype in the MCS ASYCUDA operational environment and its subsequent configuration, testing and fine-tuning; - Supervision of the first days of the new MCS AW/TIR operation; - Technical training of the MCS staff on the administration and maintenance of the new MCS AW/TIR system. • Provision of remote technical assistance and support on AW and IT matters.
	Georgia		<ul style="list-style-type: none"> • Development and update of the SRS AW/TIR system at the latest IRU-TIR release extended with web services for data exchanging (including all NCTS type messages): <ul style="list-style-type: none"> - Realization of the new SRS AW/TIR prototype; - Installation of the new SRS AW/TIR prototype in the MCS ASYCUDA operational environment and its subsequent configuration, testing and fine-tuning; - Supervision of the first days of the new SRS AW/TIR operation; - Technical training of the SRS staff on the administration and maintenance of the new SRS AW/TIR system. • Provision of remote technical assistance and support on AW and IT matters.
	Kosovo Customs	ICT & ASYCUDA Consultant <i>AW Project in Kosovo Customs (KC)</i>	<ul style="list-style-type: none"> • Development of the KC AW Prototype; • Integration of the electronic payment (payment by debit/credit card and use of POSs) in the KC AW Declaration for Passengers; • Integration of the enhanced AW Accounting Module in the KG AW prototype, i.e.: <ul style="list-style-type: none"> - Payment by card/POS; - Automatic bank transfer; - Use of Global Guarantees for all suspense procedures; - Use of PIN codes for pre-payment accounts and guarantee accounts; - Facility for economic operators to view pre-payment and guarantee accounts; - Integration of the e-License module in the KC ASYCUDA prototype; - Introducing risk-management component for the analysis & control of e-Licenses; - Interface with AW SAD and T1 e-documents for automatic verification and write-off; - Interface with AW Accounting for processing the License processing fees, including payment by cards. • Provision of remote technical assistance and support on AW and IT matters.
	Albania	ICT & ASYCUDA Consultant <i>Implementation of Monitoring</i>	<ul style="list-style-type: none"> • Analysis of technical implications of the integration of an ACA EMC (Excise Management & Control) and the ACA AW systems;

			<p><i>& Control of Excised Goods into the Albanian Customs (ACA) AW Operational Environment</i></p>	<ul style="list-style-type: none"> • Development of the following components of the ACA EMC prototype: <ul style="list-style-type: none"> - Authorisation of Fiscal Warehousing (AFW); - Excise Guarantee Management; - Excise Payment Management; - Risk-Management Alerts • Integration of the ACA EMC prototype (components above) with the ACA AW system; • Testing of the ACA AW/EMC prototype on the ACA testing platform simulating the Customs operational environment. • Development of technical documentation of the ACA AW/EMC.
2004-2008	Moldova	<p>UNCTAD <i>Mr. F.Millet, Head of ASYCUDA Program</i> <i>Email: fabrice.millet@unctad.org</i></p>	<p>Senior IT Adviser <i>AW Project in the Moldovan Customs Service (MCS)</i></p>	<p>This was the first UNCTAD AW (Ver.4) project and the 1st AW implementation nationwide.</p> <ul style="list-style-type: none"> • Development of the MCS AW prototype (hybrid architecture): <ul style="list-style-type: none"> - Installation of the MCS AW Prototype at MCS HQ, - Amendments of AW reference database, Upgrade on the AW taxation system, - Fine tuning of AW reporting system, - Changes in translation of AW messages, labels and screens. • Pilot Site Implementation <ul style="list-style-type: none"> - Installation on the new MCS hardware platforms: <ul style="list-style-type: none"> - Generation, installation and configuration of all AW components on the MCS operational platform, including generation of MCS AW Management Server components (Intel Itanium I64 platform under Red Hat Linux AS (Ver.3 upgrade 4) and Oracle 9.2.0.4, - Compiling and mastering the AW Application Server components on Intel Itanium I64 platform under Red Hat Linux AS version 3 upgrade 4, Oracle 9.2.0.4 RDBMS, Sun Java 1.4.2 and SOClass Application Server last release available. - MCS sites preparation: <ul style="list-style-type: none"> - Inspection of the Customs sites included in the Pilot Phase (Chisinau Base, Chisinau Free Zone, Chisinau Airport, Leuseni and Bender, together with all their subordinated Customs posts), - Technical support for Customs staff in the operation/use of AW modules. - Fine tuning: <ul style="list-style-type: none"> - upgrade of MCS AW server and client sites to the last releases of the AW database and application software, - amendment of MCS AW Taxation System and reference database, based on incoherencies identified by Customs end-users during the piloting activities, - Modification in the specific OS, RDBMS and Java running parameters for optimizing the MCS AW overall response-time. • National Roll-Out: <ul style="list-style-type: none"> - Development of the MCS AW rollout policy, - Fine-tuning (reconfiguration of the operational platform running parameters, function of the number of Customs transactions processed through AW, number of concurrent users, bandwidth of the communication channels). • Technical assistance in design, programming, integration, implementation of additional MCS software modules/applications/e-documents:

				<ul style="list-style-type: none"> - in development of national interfaces with the MCS AW system (e.g. “Frontira” Border and Physical Persons etc) for their integration into the operational MCS AW system and their amendment in line with the requirements of the last SOClass kernel releases, - in development of the MCS “Accounting” interface, - Identification of new areas for interfacing with the MCS AW: e.g. satellite connections, risk management, reporting system, etc (for each identified area technical specifications have been developed). • Participation in “Mobilization, Awareness Programs, Training” activities of the project: <ul style="list-style-type: none"> - Functional and technical training sessions provided to more than 500 users, - Workshops for trade community (workshops organized by the Moldovan Chamber of Commerce for the trade community, to make them aware about the impact of the MCS AW implementation on their activities), development of materials to be published in the media (e.g. technical specifications for the use of MCS AW by the Customs Brokers).
	Georgia		<p>Senior IT Adviser <i>AW Project in the Georgian State Revenue Service (SRS)</i></p>	<ul style="list-style-type: none"> • Provision of technical assistance and support to SRS in: <ul style="list-style-type: none"> - Preparation of ICT (IT and Communications) minimal requirements for procurement of hardware, software and associated services required for the implementation of SRS AW system, in accordance with the standards promoted by UNCTAD, - Localization (adaptation to the Georgian alphabet) of the UNCTAD AW, Java running environment and Oracle components, - Technical customisation, testing, piloting and roll-out of SRS AW, - Fine-tuning/re-configuration of operational SRS AW system, according to the number of customs transactions processed through AW, number of concurrent users, bandwidth of the communication channels etc, - Development of optimised methods for updating the AW reference database tables/integrate changes of the national regulations, - Maintenance of AW Taxation System (taxation rules, database tables etc) in accordance with the changes in the national regulations, - Elaboration of the SRS AW technical documentation. • Organization and delivery of AW technical training courses for the SRS technical staff on technical implementation, operation and maintenance of SRS AW (e.g. requirements, diagnosis, problem solving etc). • Monitoring of SRS AW technical administration and operation at national level by the SRS technical team. • Advising SRS on technical aspects of the SRS AW extensions/e-documents, with the view to ensure their full integration into the SRS AW architecture. • Coordination of the technical development and integration of the national AW extensions/e-documents into SRS AW environment, and monitoring the progress of the SRS AW development vs. UNCTAD AW standard system.
	Afghanistan		<p>Senior IT Adviser <i>ASYCUDA Project in the Afghanistan Customs Department (ACD)</i></p>	<ul style="list-style-type: none"> • Provision of technical assistance and support to ACD in the roll-out of ASYCUDA DPS (Declaration Processing System) and Transit System, in particular in the following areas: <ul style="list-style-type: none"> - Implementation of ASYCUDA via Internet in all computerized ACD sites, - Provision of timely ASYCUDA operational information to ACD and the Ministry of Finance (MOF) top-management.

				<ul style="list-style-type: none"> • Provision of technical assistance and support on ASYCUDA IT matters, in identification and solving errors occurred during the ACD ASYCUDA transit processing, in development and implementation of a Customs Statistics Reporting Application, and in integration of new customs offices within the ACD ASYCUDA Operational Platform; • Provision of technical assistance, support and training to the ACD ASYCUDA Project Team (NPT) in the design/development and/or implementation of the following ACD ASYCUDA system extensions, consistent with the operational ASYCUDA IT environment and processes, but using the same development technologies as the UNCTAD AW system (web-technologies, SOClass Application Server etc): <ul style="list-style-type: none"> - Registration of Customs Brokers and TIN (Tax Identification Number) – in MOF/Tax Department, - Registration of Traders - Ministry of Commerce. • Provision of remote technical assistance and support on AW and IT matters.
	Albania		Senior IT Adviser <i>ASYCUDAWorld (AW) Project in the Albanian Customs Administration (ACA)</i>	<ul style="list-style-type: none"> • Design of the ACA ASYCUDA Vehicle Movement Control Module (in AW technology, Single Window component) and subsequent functional assistance, support and training in its prototyping and piloting.
	Bosnia and Herzegovina		Senior IT Adviser <i>ASYCUDA Implementation in Indirect Taxation Authority (ITA)</i>	<ul style="list-style-type: none"> • Provision of technical assistance, support and training to the ITA ASYCUDA Project Team on the prototyping and piloting of the ITA AW system. •
	CEMAC (Economic Community of Central African States)		Senior IT Adviser <i>Project "Interconnexion des administrations douanières en Afrique Centrale"</i>	<ul style="list-style-type: none"> • Design of system architecture and processing flow. • Definition of minimal programming requirements for the software developments required for data exchanging between the customs administration for the member states. • Development of the tender dossier for procurement hardware, base software and communication equipment and services required for the implementation of the system components required for interconnecting the customs administration. • Development of the project work plan and resources distribution. • Participating to analysis meeting with EU Delegation, CEMAC board and representatives from the member states for finalizing the inventory of system technical requirements and countries needs.
	Gibraltar		Senior IT Adviser <i>AW in H.M Customs</i>	<ul style="list-style-type: none"> • Participation in elaboration of the ASYCUDA Feasibility Studies concerning the migration of the system to AW (Ver 4).
	Jordan		Senior IT Adviser <i>AW in Jordanian Customs</i>	Participation in fine tuning of the migration procedures from ASYCUDA++ to AW.
2001-2004	Bucharest	META Group CESE, Germany (Central, Eastern & Southern Europe GmbH) Mr. T. Kucharik, General Manager Email: thomas.kucharik@meta-cese.org	Technical Manager <i>Project "Assistance to the Romanian Customs Administration (RCA) in further development of Customs operational business" (financed by the EU)</i>	<p>Technical management of the project, which aimed at improving the quality of the Customs business through enhancement/improvement of the functionalities and the efficiency of the existing ICIS (Integrated Customs Information System), developed around the RCA ASYCUDA system. The main tasks were related to:</p> <ul style="list-style-type: none"> • Design, programming specifications, development of implementing strategies, testing policies and acceptance tests for the 16 activities of the project outlined below:

				<p>A11 - Analysis and development of ASYCUDA interfaces with external bodies/ organisations (identification of interfaces, definition of data exchange strategy, communication protocols and technical requirements) - XML techniques and related tools have been used);</p> <p>A12 - Enhancement of National Transit Module, to automate the processing of transport documents associated to different means of transport (TIR Carnet, Common Transit Documents, ATA carnets - road, railway, water way, air way, mail and multimodal). An amended 'Transit processing path' was developed to integrate the transit automated procedures into the overall Customs processing-flow, including its interfacing with other related modules (e.g. Manifest, Declaration, Suspense Regimes and Enforcement). The main IT development tools used: ASYCUDA developing platform (Borland Pascal and Unix C programming).</p> <p>A13 - Development of Customs Accounting Module - analysis, design and programming of interfaces between the normal SAD processing path of ASYCUDA modules and the already integrated Accounting Module. Proposals for simplification of procedures were made, in order to eliminate manual procedures. The flow of documents was amended, efficient mechanisms for pre-payment accounts were introduced and an automated procedure for electronic payment was developed, including the direct transfer into the ASYCUDA Cashier Database in order to ensure that data are immediately available for SAD processing. The main IT development tools used: Oracle developing tools (Oracle Developers 200x).</p> <p>A14 - Customs Management Information System (MIS) - development of data structures and indicators to provide the Romanian Customs top-management with the necessary reports to monitor the movements of goods and the collection of the Customs duties to the national budget. A special task was the development of scenarios to model/simulate, based on the already available data, different economic trends (e.g. when customs rates, excises etc change their values). The main IT development tools used: Oracle Express Server, Oracle Data Warehouse, Oracle Data Mining.</p> <p>A15 - Implementation of ASYCUDA Manifest Module, in terms of configuration according to the particularities of the Romanian environment. A DTI (Direct Trade Input) and an EDI (Electronic Data Interface) Manifest components were developed. A new processing path including the Manifest documents and their writing-off through SADs, transit documents and other Customs documents was proposed to the RCA and implemented. An analysis on the goods management, inside the Transit Sheds, was the basis for the developments of a new function: the management of the transfer of goods between different transit sheds. The main IT development tools used: ASYCUDA++ Development Platform.</p> <p>Analysis on the EDIFACT CUSCAR message version D99B and developing of the corresponding translator is another accomplishment of this activity.</p> <p>A16 - Development and roll-out of ICIS migration procedures from ASYCUDA++ 1.09c to 1.16f (through 14 versions!) in order to implement the ASYCUDA Post-Entry function. Technical assistance was provided to the Implementation Teams to solve the errors occurred during the migration procedures in more than 140 sites.</p> <p>A17 - Analysis, design and development of an ASYCUDA module to process Suspense</p>
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1995 - 2001	Bucharest	<p>LogicLab Ltd. <i>Mr. V. Cociasu, General Manager</i> <i>Email: vlad.logiclab@attglobal.net</i></p>	Deputy General Manager	<p>Provision of technical assistance/support to the Romanian Customs Administration in:</p> <ul style="list-style-type: none"> • Implementation of the 1st ASYCUDA Pilot Site (ASYCUDA++ Ver 1.02). This included configuration of the client TCP/IP stack, installation of Sun Interactive UNIX and Informix

Curriculum Vitae – Paul Siman

				<p>RDBMS on the ASYCUDA server.</p> <ul style="list-style-type: none"> • Technical assistance for all ASYCUDA components. • Analysis of ASYCUDA server SQL layer, in order to improve the response time of the standard printouts and to avoid deadlocking events. • Development of ASYCUDA Client Print Manager, to allow printing of the same document on several printers installed in the same LAN (Local Area Network), to assign documents to different printers and to monitor printing activity.
			Head of 3 rd Level Support Team (Phare RO9304.02 project , IBM, Austria)	<ul style="list-style-type: none"> • 1st installation and documentation of ASYCUDA++ Oracle version (1.09c) on a real working platform (SCO UnixWare 2.1 and Oracle 7.3.2), definition and configuration of RCA ASYCUDA++ prototype. • Configuration and implementation of ASYCUDA Selectivity mechanisms (selectivity criteria and selectivity lists). • Design, development, implementation and documentation of <ul style="list-style-type: none"> - the specs for implementing ASYCUDA WAN (A++Gate components). - an enhanced RCA ASYCUDA Transit Module, including interfacing with IRU/Safetir, - an Interface with the ASYCUDA Taxation rules, - an Administration Module to manage the backup and restore procedures together with archiving mechanisms, - an Enhanced ASYCUDA Enforcement Module, interoperating with the I2/Analyst Notebook investigation software, etc.
1992-1995	Bucharest	<p>MAGNET Computers Ltd. <i>Mr. V. Moise, General Manager</i> Email: moisevasile@yahoo.com</p>	Deputy General Manager	<ul style="list-style-type: none"> • Provision of technical assistance to several Romanian companies in the design, development and implementation of IT systems. This also included hardware & software configuration, network topology design, technical consultancy etc. • Analysis, design and development of software applications for HRM (human resources management), accounting and automated manufacturing process for SICOMED SA Bucharest (the biggest drugs factory in South-Eastern Europe), Pionierul SA, Munplast SA, Victoria SA, Arctic Gaesti etc. The main IT development tools used: Borland C++, Microsoft C++, Oracle Pro*C, Oracle Forms and Reports. • Training of the Magnet clients in administration of Oracle databases and use of Oracle developing tools. • Novell Netware configuration and set-up on different hardware platforms using different physical layers (Ethernet, Token Ring, Twisted Pair) and different protocols (TCP/IP, SPX/IPX, Netbios, Lan Manager) and interfacing with different operating systems: MS DOS, Windows, IBM OS/2.
1984 - 1992	Bucharest	<p>INFOSERVICE SA - Computing Centre <i>Mr. S. Oprisor, CEO</i> Email: marketing@infoservice.ro</p>	System Manager	<ul style="list-style-type: none"> • Member of a research team who has developed an original RDBMS (relational database management system), with a set of administrative, query and developing tools on a Digital PDP 11/40 with RSX 11M platform, and for Digital VAX with VMS and IBM PC compatible platforms. I was in charge of the development of storage and retrieving system components and of DBAs (Data Base Administrators) managing and monitoring tools. The main IT tools used: operating systems native C compilers and processors assembler languages. • System engineering, maintenance, diagnostic and problem solving of both hardware &

				operating systems installed and used by the Infoservice clients. • Analysis and design of IT systems, using the RDBMS developed.
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15. Other relevant information (e.g., Publications)

- **Trained in:**
 - ASYCUDA++ Integrated Customs Information System (UNCTAD, 1998)
 - ASYCUDAWorld Integrated Customs Information System (UNCTAD, 2004)
 - EU TARIC - EU Customs Tariff (EU, 2003)
 - EU NCTS (New Computerised Transit System) (EU, 2004)
- **Certifications:**
 - ASYCUDA++ (UNCTAD, 1998)
 - ASYCUDAWorld (UNCTAD, 2004)
 - Certified Computer Programmer, since 1986
 - Novell Certified Netware Engineer, since 1994 (ID #6210064)
 - Certified Novell Engineer (1994, Novell Educational Centre Romania)
- **Extensive theoretical and practical experience with following ICT platforms, RDBMS (Relational Database Management Systems) & Programming languages:**
 - ASYCUDA 2, ASYCUDA++ and ASYCUDAWorld systems and development platforms/programming languages,
 - SOClass Development Environment, Jasper Reports, Eclipse IDE
 - Development of WEB services using SOAP exchange technologies based on JAX-WS interfaces, in order to provide support for data exchanging software between international agencies.
 - Oracle Java, Oracle Development Suite, Oracle Administrative Tools.
 - Configuration and data manipulation in an Oracle MySql environment.
 - Intel 32/64 Based PCs, IBM Risc RS6000.
 - Microsoft products (Office, Project, Visio etc), IBM Lotus Notes
 - Telecom configuration and monitoring tools
- **Publications:**
 - Optimizing the storage and retrieving system of a relational database engine, by using the B* trees - Romanian IT Research Revue;
 - Security methods implemented inside the Integrated Customs Information System - Bucharest Business Revue Common Transit Convention (EuroCustoms 1999)