

CURRICULUM VITAE

1. **Family Name:** Chikalanov
2. **First names:** Alexander Ivanov
3. **Date of birth:** 11 September 1955
4. **Nationality:** Bulgarian
5. **Civil Status:** Married
6. **Education:**

Institution [Date from – Date to]	Degree(s) or Diploma(s) obtained:
Technical University – Sofia, Bulgaria 1984-1989	PhD in Computer Science (IT) PhD Thesis “Formal description and implementation of data processing in computer graphics”
Sofia University Faculty of Mathematics and Mechanics, Bulgaria 1975-1980	Graduate course in Computer Science (IT) Degree - Master of Science in Mathematics

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

Language	Reading	Speaking	Writing
English	1	1	1
Russian	2	3	4
Bulgarian	Mother tongue		

8. **Membership of professional bodies:** No
9. **Other skills:** (Design and Programming Languages - UML, C/C++, C#, SQL, Eiffel, Various Assemblers; Operating Systems - VAX VMS, Microsoft Windows NT/2000, UNIX SVR4, Linux; Development, Design and Management systems - Microsoft Visual C++, J2EE, Oracle 7.x ,8i, 9i, MS SQ Server, Visio professional, Rational Rose Enterprise Edition, Case Studio, Microsoft Project 2000; Project Management Methodology -PRINCE 2, Rational Unified Process.)
10. **Present position:** Technical Director Aptix WebMessenger BG Inc., Sofia, Bulgaria, Branch of Callwave Inc / NGO Europe for Everyone – IT Expert and Board member
11. **Years within the firm:** 7 (seven) years / Total professional experience: 25 years
12. **Key qualifications** (Relevant to the Project):
 - More than **25 years** sound experience in **data acquisition, data processing and documents control, modeling, analysis and assessment of information flows, data base development and expert system elaboration, Internet based applications, communications, and software.**

- **More than 20 successfully concluded projects in the fields of data processing, needs assessment for establishment on information system IT issues during last 25 years (1980 - 2006)**
- Solid experience in design and programming languages - UML, C/C++, C#, SQL, Eiffel, Various Assemblers;
- Sound experience in operating systems - VAX VMS, Microsoft Windows NT/2000, UNIX SVR4, Linux;
- Sound experience in development, design and management systems - Microsoft Visual C++, J2EE, Oracle 7.x ,8i, 9i, MS SQ Server, Visio professional, Rational Rose Enterprise Edition, Case Studio, Microsoft Project 2000;
- Good experience in project management methodology - PRINCE 2, Rational Unified Process;

13. Specific experience (in non EU member counties)

Country	Date from - Date to
Bulgaria	1980 – 2005
Romania	1999 – 2000(regular visits)
Slovak Republic	1999 – 2000 (regular visits)
China	1999 – 2000 (non regular visits)
USA	1996 – 2001 (regular visits)

14. Professional experience record:

Date from – Date to	Location	Company	Position	Description
January 2007	Sofia, Bulgaria	NGO Europe for Everyone	IT Expert and Board Member	Application of Information Technologies in modeling of terrestrial ecosystems.
August 2008	Sofia, Bulgaria	Apptix WebMessenger BG Inc., Sofia, Bulgaria, Branch of Callwave Inc. San Francisco USA	Technical Director	Organization of software process. Participation in building technology and product vision and strategy of company. Management of development and establishment of information systems.
May 2007	Sofia, Bulgaria	Apptix WebMessenger BG Inc., Sofia, Bulgaria, branch of WebMessenger Inc., Los Angeles, CA	Technical Director	Organization of software process. Participation in building technology and product vision and strategy of company. Management of development and establishment of information systems.
February 2006 - May 2007	Sofia, Bulgaria	WebMessenger BG Inc., Sofia, Bulgaria, branch of WebMessenger Inc., Los Angeles, CA	VP Engineering	Organization of software process. Participation in building technology and product vision and strategy of company. Management of development and establishment of information systems. Data, and software modeling and analysis, database design and assessment of information flows),
July 1999 – Present	Sofia, Bulgaria	WebMessenger BG Inc., Sofia, Bulgaria, branch of WebMessenger Inc., Los Angeles, CA	Technical Director overseas operations, Data processing software management and IT expert	Organization of software process in the branches in Bulgaria, Romania, Slovak Republic, and China. Management of projects developed into these branches. Managing Biomedical and Internet oriented projects. Management of development and establishment of information systems.
April 1999 – June 1999	Sofia, Bulgaria	Bulgaria Software Services Ltd.	Programme Manager, Data processing software management	Management of E-commerce projects, project for interoperability between IBM MVS LU 6.2 servers and NT/UNIX clients. Data processing, modeling and analysis. Database design and assessment of

			and IT expert	information flows ;)
May 1996 – March 1999	Sofia, Bulgaria	Insession Sofia branch, Bulgaria	Technical Manager, Data processing software management and IT expert	Organization of software process in the branch and management of projects in the area of distributed transactional processing, and remote administration and control of SNA networking system. Development of large software system for integration of modern and legacy information systems, databases, and transaction processing systems.
Sep 1994 – Sep 1995	Austria	Diva GmBH	System Analyst, Oracle administrator and developer, IT expert	Design and development RDBMS based logistic systems for Civil Building company and Brewery factory. Data-base management, database design and assessment of information flows
Sep 1991- Aug 1994	Austria	Diva GmBH	System Integrator, IT expert	Integration, administration and management of heterogeneous computing environment for wholesale company. Development Internet based Computer networks and communications linked to legacy networks.
April 1990 – Aug 1991	Sofia, Bulgaria	Diva GmBH	System Analyst, Data processing and IT expert	Design and development of graphical device testing system, and graphical device emulation system for VAX VMS. Data processing, modeling and analysis, IT equipment (software, hardware)
April 1981 – March 1990	Sofia, Bulgaria	Central Institute for Computer Design	Software Engineer, Research fellow and project leader, IT expert	Participant in development of CAD/CAM systems for IC and PCB design. Leading projects for 3D graphic research, VAX VMS device drivers writing and implementation basic of graphics software systems. 3-D modeling and analysis, GIS-CAD applications, IT equipment (software, hardware)
April 1980 – March 1981	Sofia, Bulgaria	Istitute od Mathematics and mechanics	IT expert	Participation in research projects in the area of computer graphics. Writing programs for numerical and statistical analyses. Data processing, modeling and analysis, IT equipment (software, hardware)

15. Major Projects

Date from – Date to	Location	Company	Position	Description
August 2008 – current	Sofia, Bulgaria	Apptix WebMessenger Inc.	Technical Manager	Mobile and web clients for collaboration – videoconferences, video file sharing, application sharing for iPhone, RIM Blackberry, Symbian OS C++, Flash, Flex, J2ME

May 2007 – July 2008	Sofia, Bulgaria	Apptix WebMessenger Inc.	Technical Manager,	Mobile clients for Web messenger wireless platform. Development of client applicationd for RIM Blackberry, Pam OS, Windows mobile 5/6, Symbian OS Technologies C++, J2ME, Code Warrior for Palm, Code Warrior for Symbian,
September – 2005- 2006	Sofia, Bulgaria	University of Forestry	IT expert for data analyses and modeling	Estimation of dynamics of structure Chestnut communities (Castanea sativa Mill.) – Belasica in condition of global climatic changes” Contract with National Fund for Scientific Research 2005/2006 Data , processing, modeling and analysis,. Statistical analyses, mathematical modeling.
September 2005 - May 2006	Sofia, Bulgaria	WebMessenger Inc.	Technical Manager, IT expert	Clearing House Project for Tello Inc. Clearing house solves interdomain communication between different types of corporate Instant Messaging servers – Jabber, Sametime (IBM), LCS (Microsoft). Technologies C++, Linux, Network programming, ACE, Enterprise messaging, Enterprise messaging servers. PostgreSQL Data base development and expert system elaboration
May 2005 – November 2005	Sofia, Bulgaria	National Statistical Institution	Project manager Local IT Expert	Integrated System for Regional Statistics. PHARE PROJECT BG 0203.12 Regional Statistics improvement and assessment of the statistical data at Bulgaria EUROPEAID/116362/D/SV/BG. Integrated system for statistical data acquisition, processing, storing, and dissemination. Data base development and expert system elaboration data base structuring/development in public institution
2004 - 2005	Bulgaria	WebMessenger Inc.	Technical Manager, IT expert	Project name: Monster meals Short description: The developed system encompasses the full cycle of ordering meals , restaurant reservation via Internet to in house system for order processing and control. Used technologies and tools: C#, MS Visual Studio .NET , Web technologies, SOAP, XML RPC Data base and OO development and expert system elaboration – at least two projects in data base structuring/development in public institution;
2004 - 2005	Bulgaria	WebMessenger Inc.	Technical Manager, IT expert	Project name Aquarius Short description: A software system for scanning, archiving, and

				processing, of big volumes of documents. Used technologies C#, MS Visual Studio .NET Software development for data processing and documents control;
2004 - ongoing	Bulgaria	WebMessenger Inc.	Technical Manager, IT expert	Project name: SIP Software phone Short description: The developed software phone is fully complied with SIP and SIP/SIMPLE protocols. It is compliant with iptel server http://www.fwd.pulver.com Used technologies and tools: C++, MS Visual Studio, SIP protocols, RTC, STUN, NAT, Audio coding.
2004 - ongoing	Bulgaria	WebMessenger Inc.	Technical Manager IT expert	Project name: Back office for Yvent site Short description: In its full blown state Yvent site will be a personalized e-commerce site for entertainment centric services specially for wireless access - http://www.yventnet.com . Used tools and technologies – Java, J2EE, JSP, MS SQL Server.
2002	Bulgaria	WebMessenger Inc.	Technical Manager IT expert and data processing	Project name: System for compiling proposals for FDA in pdf format from different sources. Short description: The main goal of this system is to facilitate compiling documents for approving new drugs in FDA. The sources of documents are mostly MS Word of MS Excel formats. The volumes of such documents are in hundreds of Megabytes. The system consists of two major parts – set of Excel, Word and Adobe Acrobat plug-ins, which produce the versions, parts and final proposal, and back office. The role of back office is to keep authorized users and their access rights, personalization for different users related with their participation in project, and different versions and stages of final proposal document. Data base development and expert system elaboration – at least two projects in data base structuring/development in public institution. Development for data processing and documents control. Used technologies and tools: C++, C#, MS .NET, MS SLR Server, Adobe Acrobat API, MS Excel API
April 2000 – March 2005	Bulgaria	WebMessenger Inc.	Technical Manager IT expert and data processing	Project Name: Wireless messaging platform Short description: WMP is a messaging platform oriented to interoperability with major instant messengers like ICQ, Yahoo, MSN, Jabber, MS RTC. It consists of server part and clients for desktop and the most used mobile devices – RIM, Palm PDA, Pocked PC, Cell phones. WMP is certified for

				<p>compliance with Wireless Village specification. Running on MS Windows 2000. Data processing, modeling, programming and analysis, database and OO design and assessment of information flows.</p> <p>Used technologies and tools: C++ and Java languages, MS Visual studio, UML modeling, XML data documenters, network programming, RDBMS - Oracle and MS SQL Server, J2ME framework, Rational Robot for SQA.</p> <p>Personal responsibilities: Technical management in product specification, designing of architecture, implementation, and software quality assurance. Currently the system is being ported on LINUX platform.</p>
1999 - 2002	Bulgaria	WebMessenger Inc.	<p>Technical Manager Data processing and IT expert</p>	<p>Project Name: Endeavor</p> <p>Short description: Endeavor product is designed for controlling and visualizing data acquisitions from EEG, EKG, and ECG devices in surgery and ICU. It is life critical software intended for anesthesiologists. The product is developed for Nicolet Biomedical Inc. Running on MS Windows NT/2000. Data acquisition, data processing, modeling and analysis, IT equipment (software, hardware).</p> <p>Used technologies and tools: C++ programming language, MS Visual studio, MFC framework, COM, Visual test for SQA.</p> <p>Personal responsibilities: Technical management in product implementation, refactoring, and software quality assurance.</p>
1999 - 2001	Bulgaria	WebMessenger Inc.	<p>Technical Manager IT expert</p>	<p>Project Name: Universal Internet Player and Burner</p> <p>Short description: The product was developed for Earjam Inc. The application plays most used digital audio formats including MP3. Most important characteristics are: using changeable skins, CD ripping and burning, access to database with slides presenting songs through mini browser, play lists management. The connection to backend database can be tuned according to customer's mood and genre preferences. Running on MS Windows 98/NT/2000</p> <p>Used technologies and tools: C++ development language, some later parts are written in C#, UML modeling tool, MS Visual studio, COM.</p> <p>Personal responsibilities: Technical management in product specification, designing of architecture, implementation, and software quality assurance.</p>
1999 - 2001	Bulgaria	WebMessenger Inc.	<p>Technical Manager Data processing and IT expert</p>	<p>Project Name: AudioBot Backoffice</p> <p>Short description: The product was developed for Earjam Inc. The main goal of AudioBot is to deliver slides related with Universal Internet Player</p>

				<p>and Burner. The data containing information about Songs, albums, artists, rewards, trophies, etc. is stored in Oracle database. The product has three parts. First one is a servlet, which receives setting of mood and preferences from mini browser built in the player, and returns sequence of slides to be shown. Second part is an authoring tool for composing sequences of slides – slide shows. The third part is responsible for data acquisition from Muze, Myplay.com, and EMusic.com. These companies were sources of musical information stored in database. The database, servlet and acquisition modules are running on Sun platform. Data acquisition, data processing, modeling and analysis, IT equipment (software, hardware).</p> <p>Used technologies and tools: Oracle, RDBMS, Java, servlet technology, application servers, UML for modeling, Oracle designer for database modeling.</p> <p>Personal responsibilities: Technical management in product specification, designing of architecture, implementation, and software quality assurance.</p>
1996 - 1999	Bulgaria	Insession Inc.	<p>Team Leader of Sofia team, Technical Manager in Sofia Office</p> <p>IT expert , data flow analysts</p>	<p>Project Name: Transfuse</p> <p>Short description: Transfuse is a C++ library for accomplishing coordinated global transactions. The global transactions can be fulfilled on the top of legacy and modern TP monitors – IBM CICS, IMS Message Queue, Tandem Pathway, BEA Tuxedo, and MS DTC. The library allows designing of three tier distributed applications. The developer is supplied with a framework of classes for unified access to these TP monitors and can start and manage global transactions over them. The library itself is built as two parts – client part and server part. The both parts communicate through CORBA and MS COM. Transfuse is ported on MS Windows NT, Sun Solaris, HPUX, IBM AIX.</p> <p>Used technologies and tools: C++ programming language, MS visual Studio and respective C++ compilers on platforms supported, Booch modeling language, CORBA, COM, transaction processing.</p> <p>Personal responsibilities: Leading Sofia team for writing white box tests. Technical management of final implementation and bug fixing.</p> <p>Modeling, analysis and assessment of information flows between modern and legacy information systems.</p>
1996 - 1999	Bulgaria	Insession Inc.	<p>Team Leader of Sofia team, Technical</p>	<p>Project Name: Codesync</p> <p>Short description: Codesync is a supplementary application to Transfuse. Its</p>

			<p>Manager in Sofia Office</p> <p>IT expert and data processing</p>	<p>main goal is to read source code programs written in COBOL, PL/1 and TAL (Tandem Application Language) and produce C++, Java, VBA, Jscript, and Delphi source code. It interprets data definition parts of input programs and according to it generates interface to Transfuse class framework. The main goal is to use legacy written programs and create automatically access to data processed by these programs. The user interface is written in C++ using MFC and Java for portability. Used technologies and tools: C++ and java programming languages, MS visual Studio and respective C++ compilers on platforms supported, Booch modeling language. Data processing and management and IT issues. Personal responsibilities: Technical management in designing of architecture, implementation, and software quality assurance.</p>
1988 – 1990	Sofia, Bulgaria	<p>Central Institute for Computer Design</p> <p>Stares owned Institute</p>	<p>Project Manager</p> <p>IT expert in data analyses</p>	<p>CAD/CAM system for mechanical design. Owner of the system is Bulgaria State. System is built for improving the mechanical design in states companies and for export. Database design, data modeling, assessment of information flows,</p>
1986 – 1987	Sofia, Bulgaria	<p>Central Institute for Computer Design</p> <p>Stares owned Institute</p>	<p>IT expert in data analyses</p>	<p>Software system for logical testing and verification of Very Large Circuit Integration. . Owner of the system is Bulgaria State. System is built for improving the electronics design in states companies and for export. data modeling, assessment of information flows.</p>
1984 - 1985	Sofia, Bulgaria	<p>Central Institute for Computer Design</p> <p>Stares owned Institute</p>	<p>Project Manager</p> <p>IT expert in data analyses and modeling</p>	<p>Graphical software system according to ISO 7942 standard GKS. Owner of the system is Bulgaria State. System is built to facilitate design and development of CAD/CAM systems and for export (Graphical cernal System). Database design, data modeling, assessment of information flows,</p>
1981 - 1983	Sofia, Bulgaria	<p>Central Institute for Computer Design</p> <p>Stares owned Institute</p>	<p>IT expert in data analyses and modeling</p>	<p>CAD/CAM system for Schematic layout and Printed circuit design. Owner of the system is Bulgaria State. System is built for improving the electronics design in states companies and for export. data modeling, assessment of information flows</p>

Recent publications

Dendrochronology – a short course.

Mirchev, C., M. Lyubenova, A. Chikalaniov, N. Simeonova
2000 . Pensoft, Sofia – Moscow

Computer Modeling and Design of Cost-Effective Pump Lines Systems for Different Thickness, materials, and Fluids

Prof. Nikola Nikolov, Prof. Maria Maradjieva, Aleandre Chikalanov, George Emilov

Waterpower XIV conference in Huston Austin, Texas USA July 18-22,2005

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INFORMATION TECHNOLOGIES AND CONTROL ISSN 1313 - 2622 No 2 / 2005

N-tier architecture for Intercontinental Tracking System Based on Lightweight Semantic Web Service Processes

I. Georgiev, A. Shikalanov, I. Georgiev, L. Boyanov

INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATICS IN THE SCIENTIFIC KNOWLEDGE – 2006 Varna June 28-30

Development of a complex Application for Bulgarian Regional Statistics

Ph D Alexander Chikalanov , M SC Stoyan Stoyanov

Climate reconstruction from oak tree-ring records in Southwestern Bulgaria for the last 200 years. Journal of Balkan Ecology, Vol. 11, No 4. Mirtchev, S., M.Lyubenova, A. Shikalanov. 2008.

Formalization and Program Implementation for Trees Stress Periods Investigation (Using Dendrochronological Data of g. *Quercus* L.). Jurnal of Balkan Ecology. Lyubenova, M., A. Shikalanov. (In print).