

## CURRICULUM VITAE

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### Education

<b>High Education</b>	
<b>University</b>	University of Chemical Technology and Metallurgy (UCTM), Sofia
<b>Period</b>	1981-1986
<b>Specialty</b>	Electro-chemistry, Chemical engineering
▪ <b>Level</b>	Magister

<b>Specializations</b>	TUE- Eindhoven, Holland , LIMHP-Unv. Paris 13, Paris, France
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<b>Courses, specializations</b>	France - Paris , VSAT technologies
<b>Certificates obtained</b>	Intelsat VSAT technology, Washington USA, 1999

### Professional experience and degree acquired

1988-1989	High temperature processes engineer in a semiconductors plant in Botevgrad, Bulgaria
1989 –1991	PhD student UCTM Sofia- Chemical engineering
1991 – 1998	Experimental work in University Paris 13, Paris, France
1998-1999	Presenting the experimental work University Paris 13, Paris, France- "Hydrogen storing using adsorption on active carbon at low pressure". Experimental setup data collection and treatment.
1998-2000	Participation as a lecturer in an international congresses: " American Industrial Chemical Engineering Journal" , Chicago, 1998
1998-2000	Assistant professor in UCTM Sofia- Chemical engineering department.
2000-2001	Founder and Technical Director of “NET IS SAT” – Satellite services provider in Bulgaria.

2001-2002	Project manager in “Information Services” Plc. – state IT company in Bulgaria.
2002-2006	Executive Director of “Information Services” Plc
2006-2024	Director of Communication department in “Information Services Plc”.
	R&D director of “Infocom” Plc.

## PROJECTS

<b>Project Name: Building satellite communication center, NET SAT – Paris, France, 1992-1994</b>	
Organization	NET SAT Paris
Client	NET SAT Paris
Role in the project	Satellite communication engineer
Period	1992-1994
Technologies used	VSAT, CISCO IOS, UNIX, HP-UNIX
Description	Building satellite communication centre
<b>Project Name: Building a new Internet via satellite provider in Bulgaria and foundation of – NET IS SAT company 1998.</b>	
Organization	NET IS SAT Bulgaria - NET SAT Paris
Client	NET IS SAT
Role in the Project	Technical Director
Period	1998-2000
Specialization	Intelsat VSAT specialization, Washington, USA, 1999
Technologies used	Satellite communication management, VSAT, CISCO IOS , 3COM, UNIX, C, perl, C++, Pascal, Unix X11 development.
Description	Making Satellite communication infrastructure in NET IS SAT plc. as an Internet Provider
<b>Project Name: Building a national communication network for the Ministry of Finance Bulgaria 2000-2004 r. Information Services Plc.</b>	
Developer Organization	Information Services Plc.
Client	Ministry of Finance Bulgaria
Role in the project	Project Manager
Period	2000-2004
Technologies used	CISCO IOS,, VSAT, Wireles LAN, Linux, HP-UNIX, HPopen VUE, Cisco Works, CISCO
Description	Design and building a national communication network for the Ministry of Finance Bulgaria, covering all tax and customs offices in the country- more than 250 points.
<b>Project Name: Building a national PKI (Public-key infrastructure) system-</b>	

<b>electronic certificates provider</b>	
Developer Organization	Information Services Plc.
Client	Information Services Plc.
Role in the project	Project manager
Period	2001-2002
Technologies used	Utimaco PKI, LDAP, CISCO, 3com
<b>Project Name: CEO of Information Services Plc.</b>	
Developer Organization	Information Services Plc.
Client	Information Services Plc.
Role in the project	CEO
Period	2001-2002
Description	Managing the company
<b>Project Name: Building a national satellite communication network for CITS plc. – An international satellite communication company.</b>	
Developer Organization	Information Services Plc.
Client	CITS plc
Role in the project	Project Manager
Period	2003-2004
Technologies used	CISCO IOS, VSAT SkyWAN, VSAT DAMA, Wireless LAN, Linux, HP-UNIX, HP Visual Engineering Environment (VEE), CiscoWorks,
Description	Design and building a national satellite communication network based on DAMA SkyWan services. Preparation of documentation for taking national license for public satellite operator in Bulgaria.
<b>Project Name: Technology development in the holding stricture Infocom Plc.</b>	
Developer Organization	Infocom Plc
Role in the project	IT director
Period	2006-2009
Technologies used	Design and development of Company ERP and CRM and Software development, PHP-Mysql web applications
Description	Complete CRM and ERP information system for the needs of the holding companies.
Client	"Ecoenergy" Plc.
Technologies used	Dryer optimization and automation, Agilent VEE.

<b>Project Name TRIMBLE Americ</b>	
Developer Organization	Infocom Plc
Client	TRIMBLE Europe
Role in the project	IT director
Period	2011-2012
Technologies used	Design and development of a remote sensing

	system for truck loading in concrete production centers based on an Ultrasonic sensing system combined with inductive transducers for truck positioning under the loading tower.
Description	Design, development, and testing of a remote sensing system for truck loading in concrete production centers.

<b>Project Name: HOLCIM Security communication network</b>	
Developer Organization	Infocom Plc
Client	HOLCIM Bulgaria
Role in the project	IT director
Period	2011-2012
Technologies used	Design and development of a communication infrastructure for security and plant management
Description	Complete Video and surveillance system, Software and hardware development and implementation. Remote control devices, Wireless networking.

<b>Project Name: Development and implementation GPS-GPRS surveillance devices</b>	
Developer Organization	Infocom Plc
Client	Alfasot plc.
Role in the project	IT director
Period	2011-2012
Technologies used	Design and development of a GPRS communication device for transmitting data, from end-user surveillance systems.
Description	Development of electronic circuit based on microprocessor controlled GPRS device. GPS tracking also implemented. Development and implementation of remote configuration server for the end-user GPRS communicators.

<b>Project Name: ISM - Security monitoring system</b>	
Developer Organization	Infocom Plc
Client	Infocom Plc
Period	2010-2012
Technologies used	Development of complete security real time monitoring software, combined with hardware and software modules., Pascal, PHP-MySQL, MySQL, web applications with Ajax implementation.
Description	Development of complete security monitoring software, combined with hardware and software modules.
Role in the project	IT Manager

<b>Project Name: STORE - Ecoenergy plc.</b>	
Developer Organization	Infocom Plc
Client	Ecoenergy Plc.
Period	2011-2012
Technologies used	PHP Mysql based web application, for corporate , multi-company store system
Description	Development and implementation of a specific plant store system.
Role in the project	Manager

<b>Project name: Building new laboratory “Fytolab Bulgaria” Ltd for pesticide residue analysis</b>	
Client	“Fytolab Bulgaria” Ltd.
Role in the project	Lab design and implementation management
Period	2009-2010
Technologies used	Building a new laboratory: ”Fytolab Bulgaria Ltd.” for pesticides residue analyses. Equipment: Watters, LC-MS/MS, GC –MS/MS
Description	Complete lab design, equipment, building, lab staff organizing, training and lab running.

<b>Project Name: LIMS software</b>	
Developer Organization	Infocom Plc
Client	“Fytolab Bulgaria” Ltd.
Role in the project	Project Manager
Period	2012-2013
Technologies used	Design and development of Company ERP , CRM and LIMS ( Laboratory Information and management System), PHP, Mysql , PHP-Mysql scripting, ajax, and MS C#. Web based application with real-time data transfer .
Description	Design and development of Company ERP ,CRM and LIMS  Full Fytolab lab design of ICP laboratory in Costa Rika.

<b>Project Name: BIO FERTILIZER PLANT</b>	
Developer Organization	Infocom Plc
Client	“
Role in the project	Project design and research management

Period	2014-2014
Technologies used	Design and development of technology to produce bio fertilizers from manure and waste from electricity plant based on straw pyrolysis.
Description	Development of complete technology, laboratory set up and testing, semi industrial installation and testing, Mathematical modeling of the drying and chemical processes.
<b>Project Name: Microbiology Laboratory Primoris Bulgaria</b>	
Developer Organization	Infocom Plc
Client	Primoris Bulgaria (former Fytolab)
Role in the project	Project design and research management
Period	2015-2020
Technologies used	Design and development of microbiological modern laboratory with rapid and instrumental methods.
Description	Development of complete technological lay out, laboratory set up and design
2017-2020	<p>Development and implementation Visual LIMS laboratory system for microbiological lab. Based on real time samples following trough laboratory devices and positions. Reporting and statistical data. Including media and materials, management. Possibility of vocal data entering in results and other forms.</p> <p>Demo is available at: use Chrome Browser preferably. <a href="https://www.nocarbsfood.com/LIMS-DEMO/">https://www.nocarbsfood.com/LIMS-DEMO/</a> accept demo ssl certificate. Login user/pass 1/1 Microbiology department Sample treatment- visual sample management Media management – define medias used in the lab</p>
2020-2024	<p>Development and implementation of Corporate ERP Ecoenergy Plc with energy consumption reporting. PV park monitoring.</p> <p>Development of Clients agro GIS system with pesticides MRL prediction, control and management.</p> <p>Development and Implementation of Primoris Warehouse Management System.</p>

## **Other skills**

More than 20 years' experience with Hewlett Packard UNIX, ANSI, UNIX, Linux, data bases – Nodejs, Javascript,(MSSQL, Mysql, Postgres), Perl, C, C++, C#, PHP, MySQL scripting and Web development.

Real time socket programming node, REST-API , etc.,

Corporate SCADA systems. Software and hardware.

Experience in HP analytical sector - Hewlett Packard's HP5890 GAS-MAS analyzers, HPLC: exploitation and servicing.

More than 40 years Radio amateur: LZ1PKA

site: <https://lz1pka.com>

### **LANGUAGE Skill Evaluated from 1 to 6 max**

<i>Language</i>	<i>Written</i>	<i>Speaks</i>	<i>Reading</i>
English	6	6	6
French	6	6	6
Russian	5	6	6