

# Curriculum Vitae

<b>Personal data</b>	
<b>First name</b>	<b>FLORIN</b>
<b>Family name</b>	<b>ANDREESCU</b>
<b>Year of birth</b>	1961
<b>Actual position</b>	Totalsoft – Senior developer
<b>Hobbies</b>	IT Trends, Aviation, Music, Fitness, Health

<b>Education</b>	
<b>Formal Qualifications</b>	<ul style="list-style-type: none"><li>- Control and Automation Faculty in The Polytechnic Institute Bucharest, Domain: Computers/Software Engineering</li><li>- Novell Netware - Westcon Training Center - New York</li><li>- Novell Identity Management - certification</li><li>- Google Data Science and Machine Learning in Certification procedure</li></ul>
<b>Relevant Professional Qualifications (certifications)</b>	<ul style="list-style-type: none"><li>- Google Data Science and Machine Learning Certification Course - London 2018</li><li>- Azure Big Data – Microsoft, GECAD and The Group training 2018</li><li>- Novell NetIQ IDM 4 Administration 2015</li><li>- IBM Tivoli Cloud Admin specialization (TSAM) 2015.</li><li>- Java SPRING - IBM internal training 2015</li><li>- Red Hat Administrator course 2016</li></ul>
<b>Language skills</b>	<ul style="list-style-type: none"><li>- English – &gt; 20 years, C1 certified</li><li>- French – 14 years study (rarely used in the last 10 yeas),</li><li>- German – 12 years study (rarely used in the last 10 yeas)</li></ul>

## Professional experience

### Profile

I am a professionally qualified IT engineer having more than 30 years experience in complex projects.  
I have a creative mind and I am always up for new challenges.  
I have an active and dynamic approach to work and getting things done.  
I am receptive person, able to communicate well with people at all levels and I can work alone or as part of a team.  
In time I was called to manage and even to save several critical projects including in the defense domain and I succeeded in all of them.  
I am flexible regarding working hours and am able to work at any hour if it is needed.  
I used to work with ticketing base systems.  
Usually I manage to solve the clients problems remotely but if it is required I am ready to travel anywhere in the world for urgent tasks.

### Career history

- [2013-until now] Director at Sirius Research International (an IT research company).
- [1999-2012] General Director at Isis Data (an IT company) - research projects for industry, governmental and private companies
- [1991-1999] CTO at Byte Trans Group (BTG) - projects for The Ministry of Interior and The Ministry Defense : Firefighters Central Command Headquarter.
- [1990-1991] CTO at Circle Systems International (CSI) an American join venture.
- [1983-1990] Electrotechnical Research Institute (ICPE). IT Administration and Research in Image Processing and Pattern Recognition.

<b>Assignment history</b>	<i>(Selected Assignments)</i>
2020-until now	<ul style="list-style-type: none"> <li>Totalsoft – Senior developer. Projects: Orange Romania 5 years, ISTA 2 years</li> </ul>
2019	<ul style="list-style-type: none"> <li>Compania Management Transporturi Bucuresti BigData, License Plate Recognition Project integrated with ORM (Operational Resource management) - A project to charge cars based on the degree of pollution on Bucharest rings. <i>Domains:</i> Scalable Machine Learning and Video Streaming in Google cloud, PubSub, DataFlow, BigQuery, Auto ML, Vision ML integration, ERP integration.</li> </ul>
2016-2018	<ul style="list-style-type: none"> <li>The Group Big Data Cloud Architecture and Development in Azure Cloud. <i>Domains:</i> Massive ingestion processing (more than 1000 events / sec.) for IOT and Internet Tracking Systems Azure Cloud: configuration, development and maintenance for components like: Automation, EventHubs, ETL components, Storage Accounts, Stream Analytics, SPARK Clusters, SQL servers and Data Warehouse, Power BI, Hadoop ecosystem, Google advertising ecosystem integration. Google courses and cloud architect/consultant activities under Google Romania supervision</li> </ul>
2016-2017	<ul style="list-style-type: none"> <li>ROMSYM Identity Management, Security and Access Governance (NetIQ and Novell technologies), RedHat admin course.</li> </ul>
2014-2016	<ul style="list-style-type: none"> <li>IBM Tier 3 Support and development for Novell-NetIQ Identity Manager – customer Posti Finland – near 50000 users.</li> </ul>
2012-2014	<ul style="list-style-type: none"> <li>Power Dynamic Technology S.R.L ORM (Operational Resource management)</li> </ul>
2012-2014	<ul style="list-style-type: none"> <li>BioLumimedica Labs. Information System for laboratory integration</li> </ul>
2012	<ul style="list-style-type: none"> <li>The Ministry of Interior „Integrated Information System for Police Academy” (Microsoft web technologies implementation)</li> </ul>
2009-2018	<ul style="list-style-type: none"> <li>Comisia Nationala de Gradare a Semintelor de Consum ORM (Operational Resource management) (Microsoft technologies)</li> </ul>
2009-2011	<ul style="list-style-type: none"> <li>ESIS Spain, MPB Business Consulting Bucharest Geographical Surveillance and Security System (Ruby on Rails, Oracle, PostGres, GPS, GPRS technologies) in collaboration with UTI Bucharest and Arobs Cluj</li> </ul>
2007-2009	<ul style="list-style-type: none"> <li>Intelbiz ERP administration and development, MultiShop Integrated System (Microsoft technologies)</li> </ul>
2006-2008	<ul style="list-style-type: none"> <li>ASCO Properties Bucharest</li> </ul>

	Real-estate CRM & Business Information System (Oracle technologies)
2007-2008	<ul style="list-style-type: none"> <li>Mercury Promotions</li> </ul> Integrated Promotion Management System (Java and Microsoft technologies)
2006-2008	<ul style="list-style-type: none"> <li>The Ministry of Interior</li> </ul> „Integrated Information Statistical System for Police” (Oracle & Microsoft technologies) – a research project coordinated by Bucharest Academy of Economic Studies, prof. Smeureanu
2001-2007	<ul style="list-style-type: none"> <li>SECI Center Bucharest - “South-European Cooperation Initiative founded by FBI - USA”</li> </ul> Information System (Oracle technologies).
1990-2008	<ul style="list-style-type: none"> <li>Other R&amp;D activities</li> </ul> Official implication in R&D activities for Complex Systems and Software Production for Governamental and Defense Institutuins in partnership with prestigious R&D Institutes and Universities from Romania and also in cloalaboration with the representatives of the major IT companies (Oracle, Microsoft, Novell, IBM, HP-Compaq, Cisco, Siemens, Computer Associates, etc.) in order to assembly complex projects.
	<i>(long version of CV including all previous projects available and the contacts reference upon request)</i>

## Skill matrix

Category	Item	No. of years	Last Year used	Skill level	Remarks
<b>Clouds</b>	Azure	3	until now	4	IOT, ETL and massive data processing
	Google	2	until now	4	Video Streaming, IOT, ML, Auto ML, Computer Vision, GPU, TPU
<b>Programming languages</b>	NodeJS & Typescript	3	until 2017	3	for IOT, ETL and data processing in Azure Cloud
	Python	4	until now	4	for components in Azure and Google Clouds (ETL and data processing, graphics, automation)
	T-SQL	>10	until now	4	SQL Server and Azure Data Warehouse
	C#	>10	until now	4	Frontend, Backend, UI, ORM
	Scala	1	until 2017	1	Only for studies
	Java	>10	until 2015	3	
<b>Databases</b>	Azure SQL, Stream Analytics, Data Warehouse, Data Lake	3	until now	5	
	Google BigQuery, BigTable, CloudSQL	2	until now	4	
	MS-SQL(6.5->Azure)	>10	until now	4	
	MySQL/CloudSQL Google	>3	until now	5	
	Oracle (7.2.4->13g)	>10	until 2016	4	
	IBM-DB2	4	until 2015	2	
	Postgres / PostGIS	<3	until now	3	
<b>Systems [OS]</b>	Windows(XP to 10, 2016 server)	>10	until now	4	
	Linux (Red Hat, Centos, Suse)	>4	until now	3	
<b>Foreign languages</b>	English	>20	until now	4	C2
	French	>10	<2000	2	rarely used in the last 10 years
	German	>10	until now	2	rarely used in the last 10 years and one year course at IBM (A2 level)

**Skill level : 1 – Theoretical knowledge ; 2 - Junior ; 3 – Confirmed experience; 4 – Advanced experienced; 5 – Senior expert.**

Date: 03-Mar-2026