

**Personal details****Name:****Adrian BALACEANU***Country:*

ROMANIA

*Nationality:*

Romanian

*Gender (Female/Male):*

Male

*Date of birth (YYYY-MM-DD):*

1983-02-12

*Telephone:*

+40727732044

*Email address:*

adrian.balaceanu@ericsson.com

**Educational qualifications (the most relevant)**

<i>From Year</i>	<i>To Year</i>	<i>Education type *</i>	<i>Branch of study **</i>	<i>Institution name</i>	<i>Certificate / Degree</i>
2005	2007	Master / Post-university	Management of Business Project	„Ovidius” ROMANIA , Constanta	Master Degree (Management and business administration)
2001	2005	University	Mathematics & Computer Science	„Ovidius” ROMANIA , Constanta	Faculty degree (Computer Science)

**Language skills**

<i>Language</i>	<i>Level</i>
English	Fluent

**Present position**

<i>From Year</i>	<i>To Year</i>	<i>City / Country</i>	<i>Employer</i>	<i>Job title</i>	<i>Job description</i>
2019	Present	Bucharest, ROMANIA	Ericsson	Solution Architect	<ul style="list-style-type: none"> <li>- Operating Systems / Environment Management: Linux SUSE, Redhat, Debian;</li> <li>- Python scripting creation/modification;</li> <li>- Problem solving and use ability to create clear observations, analysis and conclusions based on customer inputs;</li> <li>- Develop, document and maintain network design rules and policy for IP infrastructure in conjunction with other concerned departments. Develop and maintain IP addressing and routing protocol guidelines;</li> <li>- Participate in the equipment selection process and perform the HW/SW validation of new projects;</li> <li>- Provide technical support on different platforms and different projects;</li> </ul>

<i>From Year</i>	<i>To Year</i>	<i>City / Country</i>	<i>Employer</i>	<i>Job title</i>	<i>Job description</i>
					<ul style="list-style-type: none"> <li>- Design, configure and install virtual environment with VMWare on different projects;</li> <li>- Pre-sales activities.</li> </ul>
September - 2008	2019	Bucharest, ROMANIA	Ericsson	Service Engineer	<ul style="list-style-type: none"> <li>- Ensure Service Levels and Standards;</li> <li>-Health check (vulnerabilities in configuration of devices), reports and evidences;</li> <li>-Health check corrective actions (cisco, extreme, telecom devices);</li> <li>-Ticket assignment, problem analysis / solving;</li> <li>-Configuration Cisco / Extreme devices using protocols RIP, IGRP, OSPF, EIGRP;</li> <li>-Ensure configuration /upgrades /updates on various IN nodes;</li> <li>-Upgrade and configure network equipment's;</li> <li>-Troubleshooting wired network connectivity issues;</li> <li>-TCP/IP network design;</li> <li>-Implementation IP Design solution;</li> <li>-Deliver restorations and produce solutions in the BSS (Charging) area for Ericsson customers;</li> <li>-Provide quality and minimizing risks for the client's business;</li> <li>-Onsite customer premises or remotely wherever possible, installation, configuration, updates at customer products/systems;</li> <li>-Follow-up Customer satisfaction;</li> <li>-Onsite technical interventions even for emergency cases;</li> <li>-Administration different platforms (SUN-Oracle, HP) with different operating systems (Solaris, Linux).</li> <li>-Maintain network documentation and maps;</li> <li>-Responsible to network design, plan, implementation, integration, migration, cutover and performance;</li> <li>-Acceptance test after each implementation: Access/ Data network;</li> <li>-Responsible to generate/find-out new Opportunities in order to bring more business to actual contracts in Ericson.</li> </ul>

### Career history

<i>From Year</i>	<i>To Year</i>	<i>City / Country</i>	<i>Employer</i>	<i>Job title</i>	<i>Job description</i>
Oct 2006	September 2008	Brno, Czech Republic	IBM	Network Engineer	<ul style="list-style-type: none"> <li>-Implementation, administration, and configuration enterprise scale network infrastructures (LAN/WAN);</li> <li>-Configuration and troubleshooting of multiple equipment brands in the industry: Cisco, Nortel Networks, Checkpoint Firewalls, Cisco PIX / ASA Firewalls, others routing and switching;</li> <li>-Design Firewall solutions and implement based on Checkpoint Firewall and Cisco PIX / ASA;</li> <li>-IPSEC VPN design and implement based on</li> </ul>

From Year	To Year	City / Country	Employer	Job title	Job description
					Checkpoint Firewall and Cisco; -Enterprise LANs management solutions: Cisco works; -Web cache proxy configuration: Net cache Internet Proxy; -IP/DNS services; -Maintain Network Documentation and Maps; -Network Instructor in IBM/AT&T: Cisco courses for IBM Employees; -Manage and maintain NSD tools; -Ensure Service Levels and Standards; -Cisco VPN concentrator; -Health check (vulnerabilities in configuration of devices), reports and evidence; -Health check corrective actions (cisco devices, Nortel devices, firewall PIX) for world-wide customers; -Configuration Cisco Routers using RIP, IGRP, OSPF, EIGRP; -Upgrade and configure network equipment; -APARs reports, evidence; -APARs deployments (cisco devices, Nortel devices, firewall PIX); -UIDs management and revalidation / verification; -CEP management, CIRATs management, GSD331 management; -WINS processes and documentation; -Ticket assignment, problem analysis / solving; -APAR checking, HC corrective actions execution; -Change management - creating / execution; -Maintain Network Documentation and Maps.
2005	2006	Constanta, ROMANIA	CMR Dobrogea	System Engineer	-Provide local support (installation, configuration and maintenance: cisco devices, sparc systems - sun Solaris, Linux Red Hat 7 ,Windows 2000 server, security updates ); -Contact person with ISP provider; -Installation, configuration, maintenance, troubleshooting of networking devices.
2005	2005	Constanta, Romania	Internet LINK	System Engineer	-Responsible for network infrastructure of the company; -Onsite technical interventions for company's customers; -Management administration and configuration of metropolitan network; -Installation, configuration, maintenance (security updates, account management) FreeBSD and Windows(95,98,ME,2000,XP,2000 server, 2003 server); -Configuration and implementation of Metro-Ethernet networks (MPLS, redundant fiber-optic rings based on Spanning-Tree Catalyst switches), backbone routers : Cisco 7200,7600,2600 , multilayer switches 3550, 3560, 3750 or access layer switches 2950, 2960.

**About me**

Solution Architect, integrator, support and network engineer (Solution IP Design & Implementation) with more than 10 years of continuous experience in designing, configuring, and operating large scale network infrastructures for internet service providers and large organizations (IBM & ERICSSON). In this period was an increase of technical responsibilities like technical coordinator in different projects. I have ability to develop comprehensive and accurate technical documentation. Strong experience in formalizing new solutions and integrating them with the Operations and Support teams. Expertise in telecom concepts, networking concepts, TCP/IP protocol, network security, firewall setup and administration. Proven diagnostic abilities with attention to detail and ability to work effectively in a fast-paced environment. I demonstrated abilities to set strategic direction while obtain superior results. Capable of creating and executing complex test scenarios to validate technical concepts.

**Certifications / Courses**

Python – Fundamental and Advanced scripting  
VCP – 510 VMware Certified Professional 5 - Data Center Virtualization  
Sun Certified System Administrator for Solaris (SCSA)  
CCNA CISCO certification  
CCNP CISCO certification  
CCIP (IP routing, BGP MPLS)  
Cisco Advanced Security Architecture Specialization  
CCNP Security (Implementing Cisco Secure Access Solutions (SISAS),  
Implementing Cisco Edge Network Security Solutions (SENS), Implementing  
Cisco Secure Mobility Solutions (SIMOS), Implementing Cisco Threat Control  
Solutions (SITCS))  
CCNA Security - 640-554 IINS - Implementing Cisco IOS Network Security  
(IINS)  
Oracle Database 11g : SQL Fundamentals I  
Oracle Database 10g/11g : Administration 1 & 2  
OCA - Oracle Database 11g Administrator Certified Associate  
OCP - Oracle Database 11g Administrator Certified Professional  
AU13G - AIX 5L Basics  
AU13G - AIX 5L Implementation  
NW2 -Network  
Lotus Notes Basics  
TV28G - IBM Tivoli Monitoring for Operators  
TM08G - IBM Tivoli Enterprise Console  
CSPD - Customer Satisfaction and Problem Determination  
MSWIN1 - MS Windows 2003 Server Basics  
MSWIN2 - MS Windows 2003 Advanced  
MSWIN3 - MS Windows 2003 Server Practical  
ITIL Foundation  
Sybase – Fast Track to Adaptive Server Enterprise  
LTE/SAE System Overview  
LTE Evolution, Advantages in Features & Applications  
EPC Signaling

**Skills**

- Firewall technologies (Cisco IOS, Cisco ASA, Checkpoint, Linux/Unix solutions);
- VLANs, Spanning Tree - PVST, PVRST, MSTP, AAA;
- High Availability technologies: HSRP, VRRP;
- Routing: EIGRP, OSPF, IS-IS, BGP, MPLS;
- Switching – interconnecting network devices (Cisco, Extreme, HP, 3-COM, etc.);
- VPN technologies: IPSEC (Cisco, Openswan, Strongswan, Checkpoint), OpenVPN, PPTP, GRE;
- Linux/Unix Server administration: routing (linux native), VPN (OpenSWAN, OpenVPN), servers (DNS – Bind, Web – Apache, Webcache – Squid, FTP – Vsftpd, Proftpd etc.);
- Diffserv QOS: bandwidth management (Cisco, Linux) covering Voice over IP prioritization techniques;
- Install Telecom systems: VPN (Ericsson Virtual Private Network (VPN) 3.1 / 4.0), INS, PGF, NRG, etc.;
- Update Telecom systems VPN (intermediary correction packages / emergency packages);
- Install & update & integrate Telecom platforms (Telecom Server Platforms) on hardware NSP 5/6, BSP8100
- Install EMM (Ericsson Multi Mediation 7.1 – File and event mediation) on HP/ Oracle SUN platforms;
- Working with storages devices (EMC and 3PAR).
- Install VPN (Ericsson Virtual Private Network (VPN) 3.1 / 4.0) systems (INS, PGF, NRG, etc.)
- Update VPN (intermediary correction packages / emergency packages)
- Install TSP 5/6 (Telecom Server Platforms) on NSP 5/6
- Update TSP (intermediary correction packages / emergency packages)
- Install CCN (Charging Control Node) systems
- Update CCN (intermediary correction packages / emergency packages)
- Install EMM (Ericsson Multi Mediation 7.1 – File and event mediation)

**Assignment Title: IN/ECE solution TELEKOM Romania****Role: Solution IP Design and Integration**

Assignment Dates: From September 2019 – Present

As a part of deliverables, following activities carried out in this project

- My roll on this project was to prepare the IP Solution Document for project implementation (virtualization & application solution).
- Serve as focal point on communication with the customer on technical requests for virtual environment. A virtual environment system is known as a “virtual machine” (VM): a tightly isolated software container with an operating system and application inside. Each self-contained VM is completely independent. Putting multiple VMs on a single computer/BareMetal enables several operating systems and applications to run on just one physical server or “host.”
- I was able to configure and integrate the VMware infrastructure to ensure that our product IN/ECE will be deployed correctly and communicate correctly further with integration points.
- I was diagnosed and resolve issues within the virtual environment.
- Lead and execute the migration of actual environment to new infrastructure upgraded to latest VMware version in order to have in parallel both application versions for a time period.
- Assess and evaluate current infrastructure to make recommendations to the integration engineer for new IN/ECE application. Coordinate and communicate very closely with

integration engineer in order to provide necessary information as good as possible and unnoticeable.

**Assignment Title: Layer 2 support for TELEKOM Romania**

**Role: Service Engineer / Integrator Engineer**

Assignment Dates: From September 2008 – Present

As a part of deliverables, following activities carried out in this project

- Investigate, track and conclude software incidents, secure internal network
- Health check (configuration and integration) Charging System Solution
- Handling Emergency cases and CSRs.
- Additionally, handling configuration changes and change requests
- To bring the system to the new version without any impact to the live traffic. This update of the system first was done in test environment then on live node.
- MOP preparation on test bed & live.
- Update activities
- Handover document preparation
- Monitoring the node

**Assignment Title: CONPET S.A Romania**

**Role: Solution IP Design and Integration**

Assignment Dates: From January 2018 – March 2018

As a part of deliverables, following activities carried out in this project

- Consulting activities to correct actual IP solution of microwave systems (Ericsson Mini-Link) to result redundancy in the network;
- Correct existing IP Solution Document with new changes;
- Implement necessary changes on all network equipment's to have in the end the result which customer requested for final project implementation;
- Responsible for those changes on IP, connected to Mikrotik X2 (Router BOARD 1100 AH) and all other end routers (Mikrotik router board) part of entire solution;
- Responsible with the routing concept inside and outside (tunneling behavior) of the solution provided together with all systems which complete entire solution.

**Assignment Title: ENM and ENIQ solution to Digi Romania**

**Role: Solution IP Design and Integration**

Assignment Dates: From January 2018 – February 2018

As a part of deliverables, following activities carried out in this project

- Preparation of IP Solution Document for project implementation (application solution);
- Responsible for integration nodes on IP – ENM solution connected to Extreme L3 switches (X670-G2), concept routing inside of the solution provided together with all systems which complete entire solution.

**Assignment Title: Virtualization environment (VMware) project for Charging System Orange Moldavia solution**

**Role: Solution IP Design**

Assignment Dates: From November 2016 – on going

As a part of deliverables, following activities carried out in this project

- Preparations of IP Solution Document for project implementation (virtualization & application solution)
- Responsible for integration of nodes on IP, concept of routing inside of the system also in the other nodes from CORE side (switches L3 (HP vendor), Extreme and Cisco) together with all systems which complete entire solution.

**Assignment Title: Charging System Evolution for Telekom Romania**

**Role: Solution IP Design & Integrator**

Assignment Dates: From February 2016 – on going

As a part of deliverables, following activities carried out in this project

- Preparations of IP Solution Document for project implementation (application solution)
- Responsible for integration of nodes on IP, concept of routing inside of the system also in the other nodes from CORE side (switches L3 & STP Tekelec) together with SDP (Service Data Point)

**Assignment Title: Virtualization environment (VMware) project for VPN5.0 CP2 Telekom solution**

**Role: Solution IP Design**

Assignment Dates: From December 2014 to May 2015

As a part of deliverables, following activities carried out in this project

- Preparations of IP Solution Document for project implementation (virtualization & application solution)
- Responsible for integration of nodes on IP, concept of routing inside of the system also in the others nodes from CORE side (switches L3 & STP Tekelec) together with SDP (Service Data Point)

**Assignment Title: Virtualization environment (VMware) project for VPN5.0 CP2 Telekom solution**

**Role: Solution Integrator**

Assignment Dates: From December 2014 to May 2015

As a part of deliverables, following activities carried out in this project

- Preparations of MOP and ATP documents for VPN project implementation
- Responsible for planning and executing VPN roll out of the project.
- Acting Lead for the VPN roll out.
- Verification, testing and MOP Preparation for VPN and VMware.
- VPN FNI (first node integration) in the customer Network.
- Handover/AT after each node add in the new customer site.

- Troubleshooting & Monitoring of the new node.

**Assignment Title: Geographical Redundancy on CS5.0 (Charging System)****Role: Solution Integrator**

Assignment Dates: From December 2013 to July 2014

As a part of deliverables, following activities carried out in this project

- Preparations of MOP and ATP documents for CCN project implementation
- Responsible for planning and executing CCN & VPN roll out of the project.
- Acting Lead for the CCN roll out.
- Verification, testing and MOP Preparation for CCN .
- CCN FNI in the customer Network.
- Handover/AT after each node add in the new customer site.
- Troubleshooting & Monitoring of the new node.

**Assignment Title: Geographical Redundancy on CS5.0 (Charging System)****Role: Solution IP Design**

Assignment Dates: From December 2013 to July 2014

As a part of deliverables, following activities carried out in this project

- Preparations of IP Solution Document for project implementation
- Responsible for integration of nodes on IP, concept of routing inside of the system also in the other nodes from CORE side (switches L3 & STP Tekelec) together with SDP

**Assignment Title: BSS Charging System 5.1 Serbia****Role: Solution Integrator**

Assignment Dates: From August'2013 to September 2013

As a part of deliverables, following activities carried out in this project

- member of integration & installation for new hardware;
- integration CIP/IP and CIP/SS7 with CORE (STP, HLR & MSS) side , charging nodes(SDP) and network topology (switches configuration, interaction with other networks);
- CCN to communicate with SDP over CIP/SS7 & CIP/IP;
- CCN to communicate with HLR & MSS over CIP/SS7 (SIGTRAN);
- I did the configuration in both nodes SDP & CCN.

The main activity of the project was for swapping the Nokia vendor.

Our charging system was necessary to be configured with all services which at the moment was working at customer side.

Proven ability to diagnose and localize issues using logical analysis techniques.

Ability expertise of protocols such as Signaling System 7 (SS7), TCP/IP, routers and switch product.

**Assignment Title: Multi Mediation8 upgrade Moldavia****Role: Solution Integrator**



Assignment Dates: From April to May 2013

As a part of deliverables, following activities carried out in this project

- Installation, Integration, Verification, testing and MOP Preparation for Multi Mediation 8 Upgrade.
- MM8 Upgrade FNI for the Moldcell Network.
- Handover/AT after upgrade with customer.
- Troubleshooting & Monitoring of the upgraded node.

The node Multi Mediation 7.1 which is old version was installed on “x86” architecture including following hardware:

- SB6000 chassis
- Two Sun Blades X6270M2
- Two Fiber Channel Switch
- Two Storages EMC AX4-5

Both Sun Blades X6270M2 are mounted in a single SB600 chassis. Each Sun Blade X6270M2 is connected to each EMC AX4-5 array storage through Fiber Cables.

My role was to split the cluster then to install new version on the secondary one.

At that moment, we have both versions which was working in parallel.

After the acceptance test was fine the live traffic was migrated on new node and second node which remain in old version was also installed and bring back in the cluster.

### **Assignment Title: Multi Mediation8 upgrade Moldavia**

**Role:** Solution IP design

Assignment Dates: From April to May 2013

As a part of deliverables, following activities carried out in this project

- Preparations of IP Solution Document for project implementation

IP connectivity and traffic distribution of new system which was integrated in Moldcell Moldavia network.

### **Assignment Title: CCN in Pool Romania**

**Role:** Solution IP design

Assignment Dates: From December 2012 to March 2013

As a part of deliverables, following activities carried out in this project

- Preparations of IP Solution Document for project implementation
- Responsible for integration of nodes on IP, concept of routing inside of the system also in the other nodes from CORE side (switches L3 & STP Tekelec) together with SDPs.

### **Assignment Title: CCN in Pool Romania**

**Role:** Solution Integrator & Technical Coordinator

Assignment Dates: From December 2012 to March 2013

As a part of deliverables, following activities carried out in this project

- Preparations of MOP and ATP documents for CCN project implementation;
- Responsible for planning and executing CCN roll out of the project;
- Acting Lead for the CCN roll out;

- Verification, testing and MOP Preparation for CCN;
- CCN FNI in the customer Network;
- Handover/AT after each node add in the new customer site;
- Troubleshooting & Monitoring of the new node.

To integrate this project and to achieve redundancy for CCN (Charging Control Node) nodes, which will allow benefiting from possibilities of re-routing the charging traffic in case of one CCN node failure, as well as from uniform and even load of CCN nodes.

Currently if a CCN fails there are not possibilities to process prepaid calls corresponding to the failed CCN, unless there is manual reconfiguration.

In this period, I was also deal with responsibilities in technical leadership.

I was coordinate the project on technical part between Ericsson team and Cosmote team.

On the project, I tried to manage and ensures the coordination of activities of the entire project.

I ensure the planning and the implementation of the activities in the project according to the time plan agree together with the customer.

### **Assignment Title: VPN 4.0 CP2 SIGTRAN**

**Role:** Solution IP design

Assignment Dates: From April. 2012 to June 2012

As a part of deliverables, following activities carried out in this project

- Preparations of IP Solution Document for project implementation;
- Responsible for integration of nodes on IP which modify entire concept of routing inside of the system also in the other nodes from CORE side (switches L3 & STP Tekelec) together with SDP;
- The common channel signaling was translated to IP via the SIGTRAN protocols;
- All those information was written in IP design and Method of Procedure (MOP).

### **Assignment Title: VPN 4.0 CP2 SIGTRAN**

**Role:** Solution Integrator

Assignment Dates: From April. 2012 to June 2012

As a part of deliverables, following activities carried out in this project.

- Integration of the project and to achieve IP connectivity on VPN node, was to allow the possibilities of re-routing the traffic via IP;
- I did a lot of changes in the systems like (VPN, SDP & switches cisco L3) to be able to communicate each other in proper way on IP with the rest of the CORE network Cosmote. Handover/AT with customer.

### **Assignment Title: Charging system 5.0 Romania Cosmote**

**Role:** Solution Integrator

Assignment Dates: From June to December 2012

As a part of deliverables, following activities carried out in this project

Integration CIP IP and CIP SS7 with STP & SDP (network topology, switches configuration, interaction with other networks).

I configured CCN to communicate with SDP over CIP/SS7 in first phase then to communicate over CIP IP associations. The configuration and integration on IP was done by me on both nodes (SDP & CCN). Integration and implementation of charging switches layer 3 (cisco and extreme).

**Assignment Title:** VPN3.1 CP1 EC05 to VPN 4.0 CP2

**Role:** **Solution Integrator**

Assignment Dates: From February to March 2011

As a part of deliverables, following activities carried out in this project

- To bring the system to the new version without any impact to the live traffic. This update of the system first was done in test environment then on live node;
- MOP preparation on test bed & live;
- Update activities;
- Handover document preparation;
- Monitoring the node.

**Assignment Title:** VPN3.1 CNM04 to VPN3.1 CP1 EC05

**Role:** **Solution Integrator**

Assignment Dates: From April to June 2009

As a part of deliverables, following activities carried out in this project

- To bring the system to the new version without any impact to the live traffic. This update of the system first was done in test environment then on live node;
- MOP preparation on test bed & live;
- Update activities;
- Handover document preparation;
- Monitoring the node.

**Assignment Title:** Charging system 3.0 Romania

**Role:** **Solution Integrator**

Assignment Dates: From September 2008 to February 2009

As a part of deliverables, following activities carried out in this project

- Sigtran Implementation;
- CIP IP Readiness;
- CIP IP Cutover;
- Installation, integration, acceptance to the new system made for Cosmote Romania.

**Assignment Title: Visteon – Wolfsburg -Germany IBM -GSDC**

**Role: Solution Integrator**

Assignment Dates: From February to August 2008

As a part of deliverables, following activities carried out in this project

- Health check( configuration and integration of new devices in the network) cisco devices, nortel, firewall (checkpoint, nokia PIX );
- Administration and configuration of enterprise scale network infrastructures (LAN/WAN).

**Assignment Title: IBM-GSDC**

**Role: Back-office support engineer**

Assignment Dates: From November 2007 to January 2008

As a part of deliverables, following activities carried out in this project

- Member of NSD (network server delivery) security and resolver of problems, internal answer, implementation results;
- Responsible for configuration and troubleshooting of multiple equipment brands in the industry: Cisco, Nortel Networks, Checkpoint Firewall, others.

**Assignment Title: Carl Schenck - Germany IBM-GSDC**

**Role: Solution integrator and focal point**

Assignment Dates: From April to October 2007

As a part of deliverables, following activities carried out in this project

- Health check ( configuration and integration of new devices in the network)cisco devices, Nortel, firewall (checkpoint, Nokia PIX firewall);
- Administration and configuration of enterprise scale network infrastructures (LAN/WAN);
- Maintain Network Documentation and Maps.

**Assignment Title: IBM-GSDC**

**Role: Back-office support - IBM GSDC**

Assignment Dates: From December 2006 to April 2007

As a part of deliverables, following activities carried out in this project.

- Member of NSD (network server delivery) security and resolver of problems;
- Provide Customer focused IT LAN/WAN operations delivery including configuration, testing, faultfinding, and deployment of a full range of network devices and services.

**Assignment Title: Preh- Bad Neustadt – Germany IBM-GSDC**

**Role: Solution Integrator and Focal Point**

Assignment Dates: From October to December 2006

As a part of deliverables, following activities carried out in this assignment

- Health check( configuration and integration of new devices in the network)cisco devices, Nortel, firewall (checkpoint, Nokia PIX firewall);
- Administration and configuration of enterprise scale network infrastructures (LAN/WAN).