



**Radu
Fechet**

Date of birth: 28/09/1968

Nationality: Romanian

WORK EXPERIENCE

30/09/2019 – CURRENT – Universitatea “Ștefan cel Mare”
Suceava, Romania

-assistant (Digital Electronics, Computer Networks), determined period, Faculty of Electrical Engineering and Computer Science (FIESC), Computers, Electronics and Automatics department;

08/01/2018 – CURRENT – Iasi, Romania

SYSTEM ENGINEER

Continental Automotive Romania SRL

- Implementing and calibrating parameters of electric and electronic systems (in particular electrical window lifter) in the production and concept vehicle directly at the OEM;
- Coordination and planning of processes for further development;
- Validation and testing of electric and electronic systems;
- Coordination of deadlines in coordination with the client and the project team;

15/11/2014 – 05/01/2018 – Suceava, Romania

Consultant / FIELD SERVICES OPERATIONS (FSO)

Ericsson Telecommunications Romania S.R.L

Operation and Maintenance of Telecommunication and Environment equipments :

- GSM 2G, 3G, 4G (BTS), Data (Cisco, Raisecom), PDH, SDH, FiberOptic,
- Power Supply Plants (SAFT, ANTRICE, DELTA, ELTEK, HUAWEI),
- Electrical Generators (mobile and fixed, Honda, Guinault, MOSA, John Deere, Cummings, Perkins, etc.) and electrical grid starting from Trafo,
- AirConditioning: Mitsubishi, AirWell, Daikin, Stulz (Stulz with ModBus Protocol)
- Low voltage group IV electrician

Other Responsibilities:

- GSM Measurements with TEMS Phones

03/01/2006 – 15/11/2014 – Suceava

COM BSS Expert Field Engineer

S.C. ORANGE Romania SA

Operation and Maintenance of Telecommunication and Environment equipments :

- GSM 2G, 3G (BTS and BSC), Data(Cisco, Raisecom), PDH (Alcatel, NEC), SDH, FiberOptic,
- Power Supply Plants (SAFT, ANTRICE, DELTA, ELTEK, HUAWEI),
- Electrical Generators (mobile and fixed, Honda, Guinault, MOSA, John Deere, Cummings, Perkins, etc.) and electrical grid starting from Trafo,
- AirConditioning: Mitsubishi, AirWell, Daikin, Stulz (with ModBus Protocol)
- Low voltage group IV electrician

Other Responsibilities:

- GSM Measurements with TEMS Phones

07/08/2000 – 31/12/2005 – Suceava, Romania

COM BSS Field Engineer

S.C. ORANGE Romania SA

GSM

Operation and Maintenance of GSM equipments

BSS level: BTS Alcatel G3, G3.8, BSC-G2 Alcatel, BSC-MX, 3G

Huawei OMCR Alcatel, RNO Alcatel (GSM and GPRS counters)

Transport Network

Operation and Maintenance of PDH, SDH and Fiber Optic equipments

Microwave PDH Sagem 4x2, 8x2 and PDH Sagem Link

Microwave PDH Alcatel 9400Ux-Lux10, 11, 12 and new model PDH AWY

Microwave SDH Alcatel 9600LSY, USY; ADM1641, 1650SMC, 1660SMC (and FO modules)

Data Network

Operation and Maintenance of data equipments

Telindus, Breezecom and Breezemax, Cisco routers, Nortel ATM switch, IP Networking (TCP/IP, X.25, SNMP)

Environment

Operation and Maintenance of environment equipments

AC/DC and DC/AC Power supply (SAFT G1 and G2, Antrice, Delta, Eltec and other models with output less than 10A/48Vdc)

Battery tests and replacing

Sensors check

Low voltage tasks (380V~) on electrical grid

- Low voltage group IV electrician, responsible for switching at Low Voltage (less than 380V~)
- intervention and troubleshooting on Power Generators mobile and stand-alone (Honda, Guinault, MOSA, John Deere, Cummings, Perkins, etc.)

- AirConditioning: Mitsubishi, AirWell, Daikin, STULZ

Tools used

-Laptop with PCMCIA cards and Windows Terminals for Alcatel MW, BTS, BSC, LMDS, Sagem MW equipments; special PCMCIA card Eicon C31 (X25) for BSC-G2 database downloading

-PA25 for measurements of data frames (unframed E1 or framed E1)

-Site Master Anritsu (VSWR measurements, cable loss, distance to fault)

-K11 traffic analyser

-Special cellular TEMS (made by Ericsson) or Nokia for radio cell measurements -

PIM Analyzers for GSM antenna quality measurements

2000 – 07/08/2000 – Suceava, Romania

Lecturer at Electrical Engineering Department

"Stefan cel Mare" University of Suceava

- System Architecture of Numerical Control
- Numerical Computers Microprocessors,
- microcontrollers Local Industrial Networks,
- CAD (SCH & PCB, ORCAD, PROTEL)

● **1997 – 2000** – Suceava, Romania

University assistant at Electrical Engineering Department

"Stefan cel Mare" University of Suceava

- Numerical Computers Local Industrial Networks Microprocessors, microcontrollers CAD (SCH & PCB, ORCAD, PROTEL)

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- **1994 – 1997**

Instructor at Electrical Engineering Department

"Stefan cel Mare" University of Suceava

- Microprocessors, microcontrollers CAD (SCH & PCB, CADSTAR, ORCAD, PROTEL)

Experience

in:

- hardware and software in working with Z80 microprocessor (Assembler and Dissassembler)
- hardware and software in working with I80186 microprocessor (Assembler, Dissassembler, and C)
- hardware and software in working with I8051 compatible family microcontrollers and others (Assembler, Dissassembler, C, Keil Compiler, Siemens SAB535, SAB517, Philips PCB80C552, ATMEL 2051, Microchip, ATMEL AVR,)
- hardware and software in working with Microchip microcontrollers families PIC 12, PIC 16 and PIC 18 - hardware and software in working with DSP 2181 (AMD) and TMS 320 (Texas Instruments)
- I2C, SPI, and CAN BUS ; modems (fixed and GSM); RS232, RS 422 and RS 485 and MODBUS experience -PCB design, Analog and Digital, CADSTAR, ORCAD, PROTEL
- design Test boards and interfaces with microprocessors and microcontrollers
- Temperature digital Sensors, Sensors RTD, Thermocouple, Pressure, or other nonlinear sensors - Sensors linearisation using Matlab
- A/D convertors (directly, dual slope, and Sigma Delta) and D/A convertors (Maxim, Cirrus Logic, Linear Tehnologies, etc.)
- Industrial networks, ADAM protocol, PROFIBUS, MODBUS, CAN
- PLD (programmable logic devices) from AMD (PALCE xx, PALxx)

EDUCATION AND TRAINING

● **1983 – 1987** – Suceava, Romania

Mathematics & Physics

HIGH SCHOOL "Stefan cel Mare", Suceava

● **1988 – 1993** – Iasi, Romania

Automation & Computer Science

● TECHNICAL UNIVERSITY "Gheorghe Asachi"

06/06/2014 – 14/06/2014 – Bacau, Romania

Level 1 Training for DELTA PSC3 Outdoor cabinets and DELTA PSC Indoor cabinets
SOCOMEK

02/02/2012 – 20/04/2012 – Bucuresti, Romania

Project Management

ASCENDIS CONSULTING

06/06/2011 – 08/06/2011 – Bucuresti, Romania

PIM Analyzers theory and measurement

KALEUS

04/04/2008 – 25/04/2008 – Bucuresti, Romania

O&M 3G Huawei equipment

HUAWEI

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

OTHER LANGUAGE(S):

English

Listening
B2

Reading
B2

**Spoken
production**
B2

**Spoken
interaction**
B2

Writing
B2

French

Listening
A2

Reading
A2

**Spoken
production**
A1

**Spoken
interaction**
A1

Writing
A1

Germany

Listening
A2

Reading
A1

**Spoken
production**
A1

**Spoken
interaction**
A1

Writing
A1

DIGITAL SKILLS

My Digital Skills

Windows, Linux OS / MS Office, SUN OS / Monitoring platforms BSS, PDH, SDH, ENV (Power Generators, Power Supply, Air conditioning, Perimeter sensors, Other Sensors)