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## **Curriculum Vitae**

Worldwide list of achievement in: research in electric vehicle propulsion systems, consulting services and work in building TV Broadcast Systems, satellite uplink systems, military radio communication systems, mainframe computers, in past years.

**April 2006 – 2010 my own project HAPCEV ZEV - ELECTRIC CAR DEVELOPMENT.**

**April 2004 – my own project SARTELCOM - IMPLEMENTING DVB SYSTEM IN BIH**

**March 2003 - October 2003, work for SAIC - Science Applications International Corporation - USA.**

- IMN – Iraqi Media Network – Baghdad, Arbil, Duhok, Sulemania, Kurdistan, Iraq
- INTERNATIONAL CONSULTANT - Senior Terrestrial Broadcast and Satellite Engineer, Site Manager, consulting, advisor, installation: for IMN at the Office of Reconstruction and Humanitarian Assistance - ORHA and later ORHA become CPA - Coalition Provisional Authorities, Baghdad, Iraq.

**January - February 2002, work for TELECONSULT - Italy.** ARN - Arabian Radio Network - United Arab Emirates

- Logistic Manager - Operates for Teleconsult, Italy in Dubai city, United Arab Emirates. Work done inside and outside Emirates Office Tower. System installation. Wide area of jobs included in supporting activities at different levels of work.
- Installation 4 FM radio transmitters, combiner, shelter and installation of FM radio antenna system on top of the Emirates Towers, at height of 350 meters in Dubai city, United Arab Emirates.

**September 2000 - August 2001, work for IREX - USA.** KTTN - Kosovo Terrestrial Transmission Network

- CONSULTANT - Senior Terrestrial Broadcast and Satellite Engineer, KTTN Site Manager, consulting, advisor, installation:

**1999 - 2000 Whitefield Computers – Microsoft NT Servers, Networking Systems.**

- Networking Engineer

**1998 - CRP BUSINESS DEVELOPMENT CENTER - CENTAR ZA RAZVOJ POSLOVANJA**

- Cisco Communications, Sun Microsystems, Patton equipment. Sun Microsystems certificate

## **DVB - Digital Video Broadcast & satellite uplink - work experience**

### **1996 - 1997, work for TVIN later become Open Broadcast Network - Sarajevo, Bosnia and Herzegovina**

- Project Assistance Team - visit Official Office of High Representative - OHR web site
- Satellite Up Link Engineer, and later RF External Transmission Engineer - Sarajevo, Bosnia and Herzegovina

### **1995 - 1996 work for ITEC inc. - USA. Technical Field Engineer - Cairo, Egypt**

- Full installation, commissioning of Telephone Billing Data Polling Computer Systems and Tape Emulator System. Testing cables, installation and connection of Polling Computer System to AXE 10 telephone exchange. Testing communication lines and protocols. Real telephone traffic monitoring.

### **1994 - 1995 ITEC inc., Telephone Billing System, Technical Engineer - Consultant - Bucharest, Romania**

- Bucharest, Romania - Acceptance testing of Data Collection System and software and hardware installation.

### **1993 - 1994 ITEC inc., Telephone Billing System, Technical Engineer - Consultant - Harare, Zimbabwe**

- Harare, Zimbabwe - Complete installation, testing, acceptance testing and maintenance of 7 large, telephone billing systems.
- Pretoria, South Africa - Complete installation, testing, acceptance testing of telephone billing demo system
- Sofia, Bulgaria - Complete installation, testing, acceptance testing and maintenance of telephone billing system

### **1993 - 1995, work for Comtec Ltd, - Czech Republic. Technical Engineer - Prague, Czech Republic.**

- Satellite communication Inmarsat C, GSM Telephony.

### **1990 - 1993, work for TECHNICON ( Pvt. ) Ltd., - Zimbabwe. Chief Engineer - Harare, Zimbabwe**

- Duties also include the daily work with operating equipment and specific areas of noted experience:
- Installing, commissioning and maintaining a wide range of communication Military HF Radio Communication Equipment and systems for National Army and National Police, and civilian use-different equipment, supplied by Technicon to Zimbabwe customers from:
- RACAL Radio and RACAL Communications, Inc and their antenna systems.
- Installation of HF/VHF/UHF DF-Direct Finding system
- VHF Jamming Systems and surveillance HF/VHF/UHF Receivers and RACAL RA6790/GM Receiver
- Specific work on upgrade of Racal military radio communication equipment in Angola and Botswana for their National Armies.
- Midland and Midland radio and Motorola: Installation, commissioning, programming and maintenance of two way radio, repeater stations, base stations, antenna systems.
- Designed and manufactured motorcycle adapters to interface Midland radios (including PCB, switching electronic and case) to Motorola headset. Work done for Zimbabwe Republic Police.
- HARRIS RF Communications and Defense Communications
- Installation of HF/VHF Military Base Station.
- Installation 15 pieces of ATU-Automatic Tuning Unit for HF 100w mobile radios.
- Meteorological Department Government of Zimbabwe: Installation and commissioning of Casella weather station and maintenance, installation and commissioning Feed-Back satellite dish antenna and PC computer for receiving and monitoring data from Meteosat satellite.

**1989 - 1990, VIDEO & COMPUTER SERVICE**, Service Engineer - Sarajevo, Bosnia and Herzegovina, Yugoslavia.

- Duties also include the daily work with operating equipment and specific areas of noted experience:
- Maintenance of PC Computers, maintenance of industrial electronics for various customers and installation of radio communication equipment such as CB radio HF/VHF/UHF.

### **MAINFRAME and PERSONAL COMPUTERS**

**1979 - 1989, ICL - United Kingdom - Mladost, Zagreb, Croatia, Yugoslavia.** Hardware System Engineer

- Installation, maintenance of ICL mainframe computer equipment. System 1902 with peripheral equipment, System 1500, System DRS 25, Point of Sale -PoS and optical scanners.
- Work with DIGITAL PDP 11 mainframe computer connected to Scan - Data Corporation 2250/1 OCR (optical character recognition) scanner.

**1977 - 1979, ZPIOBIH - ZPIOBIH, Sarajevo, BiH, Yugoslavia.** Technician in ZPIOBIH

Kodak microfiche camera system

### **Education history - Professional development**

- 1974 - 1977 University of Sarajevo, Study-Faculty of Political Science, Sarajevo, BiH, Yugoslavia.
- 1967 - 1971 Technical Secondary School, Sarajevo, BiH, Yugoslavia

### **Professional training courses attended in following companies world-wide:**

- 1999 - 2000 Whitefield Computers – Microsoft NT Servers, Networking Systems.
- 1998 - BDP- CRP - Cisco Communications, Sun Microsystems, Patton.
- 1996 - 1997, TVIN - OBN, SNG - Digital Broadcast Technology.
- 1993 - 1995, Comtec, Satellite communication Inmarsat C, GSM Telephony.
- 1990 - 1993, ALDEN, ITEC inc., Magnavox, HARRIS, Midland.
- 1989 - AMSTRAD, Italy.
- 1980 - SCAN DATA Corporation
- USA 1977 - 1979, KODAK, Austria.

### **HOBBIES and INTERESTS**

ASTRONOMY, RADIO AMATEUR, DIVING, SAILING, SKIING, REIKI, HUNA.

*Sincerely yours*

*Rudolf Bosnjak*