

## CURRICULUM VITAE

Name: **Ivan Benkovič**

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### Job experiences:

#### **2021 – present IBE s.r.o.**

Address: Popelná 37, Bratislava, Slovakia

Position: Executive manager, electronics engineer, inspection technician for electric devices

Job description: Providing customer services in wider field of electronic engineering, e.g. electrical inspections in accordance with STN EN standards, designing, assembling, debugging, repairing and testing hardware for various external customers located in Slovakia

#### **2019 – 2021 Siemens CZ s.r.o.**

Address: Siemensova 1, Prague, Czech Republic

Position: Test Designer

Job description: Design of HW and SW dedicated for final test of assembled PCBs for Siemens factory

Started on „green field“ - building and furnishing laboratory and equipment, calibrations, design a test adapters using various CAD tools, creating a test algorithms (coded in Pascal) for ICT and FCT procedures in factory located in Germany

#### **2015 – 2018 Ecoland s.r.o. - GA Drilling**

Address: GA Drilling Technology Center, Vápenka 4, Bratislava, Slovakia

Position: Electrotechnical engineer / Team Leader

Job description: Design, construction, modification and repair of electronic and electrical devices for the realization of experiments for plasma research, consultant and support man for teams of physicists, mechatronics and hydraulics.

Simulations in LT Spice, FalstadSIM, CAD PCB design in Eagle and ALTIUM, programming of microprocessors and PLC (Code Composer / TI C2000, LabVIEW / Beckhoff, assemblies for industrial automation and power distribution systems, simple mechanical design (in OpenSCAD and FreeCAD) and production by 3D printing and machining

One year had a role of Team Leader of the Electrical Engineering Department (8 people team)

#### **2006 – 2015 ON Semiconductor Slovakia, a.s. – Bratislava Development Center**

Address: Tower 115, Pribinova 25, Bratislava, Slovakia

Position: Design Technician for IC design

Task: Testing and measuring of complex electrical parameters of integrated circuits

(Keithley, Agilent, Tektronix, Rohde-Schwartz), processing of measured data in MS Excel, development of hardware (using LT Spice, FalstadSIM, PADS, ALTIUM) and writing software code for automated measurement (TestScript Builder, LabVIEW), care of operation and management of laboratories, purchase of electronic spare parts and equipment, installation, modification and repairs of instruments and lab equipment, operation of electrical and pressure/vacuum systems, design, simulation and assembly of supporting electronic circuits, calibrations, inspections of electrical equipment, communicating with training organizations and international contractors, generating measurement reports in english

#### **2004 - 2006 Slovak alarms s.r.o.**

Address: Bojnická 3, Bratislava, Slovakia

Position: Technician, technical consultant, marketing assistant, IT administrator

Job description: Professional technical consultant for CCTV and security systems, translation and localization of software into Slovak language, creation of manuals, datasheets, websites, import of goods, complaints, repairs and technical support, managing an IT network

#### **2003 - 2004 Electrotechnical Institute of Slovak Academy of Sciences (simultaneously within University study)**

Position: Technician in Department of microeletronical structures

Job description: Performing of scientific technical tasks, measuring of parameters on semiconductor devices (using HP Semiconductor Analyzer) and reporting of measured data (Origin, Power Point), installation and using the equipment in laboratories (e.g. microscope, probing station, heating chamber, photolithograph), design and assembly of supporting electrical circuits

**2002 - 2003 Checkpoint Systems (SK) s.r.o.**

Position: Main technician

Job description: Installing and service of RF and EM electronic systems for securing goods in stores, representative authority for Trade licensing office, installing complex electronics systems, customer support and servicing in Slovak and also Czech republic.

**2001-2002 Electrotechnical Institute of Slovak Academy of Sciences** (substitute of mandatory military service)

Position: Technician

Job description: Performing various technical tasks in department of microelectronics, performing measurements, data processing, installing the special equipment for measuring and testing the semiconductor prototypes.

**Certificates:**

2019 - 2021 – Many certificates from Siemens corporate trainings (Digital and IoT security, Delphi etc.)  
 2017 – Tool for improvement the Design of Experiment (Nástroj zlepšovania DOE, Priemyselná akadémia)  
 2015 – Time management (TIMAN)  
 2015 – Industrial standards (Priemyselné štandardy, EICC)  
 2014 – First Aid (Kurz prvej pomoci, Falck)  
 2012 – The Art of presentation (Umenie prezentácie a prezentačnej techniky, Scott&Hagget)  
 2012 – Operating the pressure and Gas devices (§17 Vyhl.508/2009 – Obsluha VTZ tlakových a plynových, ZIGO GAS)  
 2010 – Basics of effective communication (Základy efektívnej komunikácie, PetMon)  
 2010 – LabVIEW Core I-II (National Instruments)  
 2008 – Inspector for electrical devices (§24 Vyhl.508/2009 – Revízný technik EZ, Technická inšpekcia SR)  
 2007 – PADS Logic, Router, Layout (Mentor Graphics)  
 2006 – §23 – Electrician for direction of works (Elektrotechnik na riadenie činnosti alebo prevádzky, MIPEL)  
 2002 – §22 – Stand-alone electrician up to 1000V (Samostatný elektrotechnik do 1000V)  
 2002 – 1998 – University student (FEI STU and SjF STU Bratislava – interrupted)  
 1994 – 1998 – Electrotechnical High School (SPŠ Elektrotechnická, Zochova 9, Bratislava – finished with diploma)

Native language	Slovak – native language
Other language skills	English – experienced (B2 level according to Plus Academia) German – beginner Czech – expert
Work skills	Familiar with measuring technique in laboratories and in the field (oscilloscopes, generators, spectral analyzers, multimeters, SMUs, loads etc.) Experience with THT & SMT design, production and layout of PCBs using CAD tools Knowledge of electronic components, semiconductors, discrete ..., color and number coding Knowledge of technical standards at the level of electrical inspection technician
IT skills	Advanced user in Windows and Linux (debian) environment Familiar with CAD programs for drawing schemes, design PCBs, circuit simulating, mechanical part modelling, as well as Office tools like text, spreadsheet, presentation, photo editing, vector graphic and 3D parts modelling Experience with audio recording and processing, mixing, editing, mastering and video editing
Other skills	Workshop experiences and manual skills in construction of electronic and mechatronic devices Orientation in electrical circuits, formulas, rules, mathematics, goniometry, chemistry and physics Design of simple mechanical parts using CAD and printing (using my Prusa 3D printer) Creating small projects with Raspberry PI and Arduino UNO Experiences with audio HW equipment and various musical instruments (playing and teaching)
Driving license	Category B (up to 3.5t), from 1998 active driver, right and left drive familiar
Personal interests	Biking, hiking, music, family picnics (we have 3 kids, 2 cats and 1 dog), and of course electronics ;)



Signature