MAREK MANSELL, Bezručova 9, 811 09 Bratislava, Slovakia, marek.mansell@gmail.com, 0904 010 424

Experience:

2015 – present **SPy O.Z. (Slovak Python User Group)** **BRATISLAVA, SLOVAKIA**
Vice-Chairman
Responsible for annual PyCon conference (preparation and dealing with on-site challenges) as well as monthly Python meetups in Bratislava (location: Progressbar Hackerspace BA)
- PyCon 2016 – over 400 sold tickets, 3 days, 35 speakers
- PyCon 2017 – over 540 sold tickets, 3 days, 60 speakers
- EduTrack (within PyCon 2017) – Special one-day conference track for high school teachers focused at teaching Python, 10 speakers, over 40 registered teachers

2016 - present **STARÁ SMALTOVŇA O.Z.** **BRATISLAVA, SLOVAKIA**
Co-founder
The cause of the non-profit organization is to create an open workshop, accessible to anyone, in Bratislava (Petržalka), as well as preserve the historical industrial building.
- Technical support – web server administration, Google AdWords, mailinglist
- Handling paperwork around the foundation of the organization
- Working on presentational projects for sponsors

2016 - present **BATSUITE** **BRATISLAVA, SLOVAKIA**
Electronic Technician
BatSuite develops hardware and software solutions for the blind and visually impaired.
- BatSuite Hand Device – Improved algorithm (lower energy consumption by 40%, more functions, better user experience)
- BatSuite Suit (Overall development): PCB design (Eagle), prototype PCB assembly, EMI testing, wireless mesh communication

2016 - 2016 **DIGITALWARE** **BRATISLAVA, SLOVAKIA**
Electronic consultant
- Bluetooth Beacon development (low-weight design with a long battery life)

2014 - 2015 **SHOWTACLE** **BRATISLAVA, SLOVAKIA**
Electronic device manufacturing and testing
- LED panel assembly and testing (over 1200 individually addressable LEDs on each panel, overall systems of 70+ panels)
- TronSuite assembly and testing (low-weigh wireless DMX controlled dance suits)

Education

2012 - 2017 **GYMNÁZIUM JURA HRONCA** **BRATISLAVA, SLOVAKIA**
English bilingual section, Focus at English, Mathematics and Information Technologies
- Contributed to Python being taught by teachers (instead of outdated Pascal)
- I gave MicroPython lectures to students and teachers (Thanks to this initiative, the school bought enough MicroPython devices (NodeMCU's) for an entire class and teachers are starting to use them on their lessons)

2015-2016 **CISCO NETWORKING ACADEMY** **BRATISLAVA, SLOVAKIA**
- CCNA course – basic networking concepts and router / switch configuration

Projects
- micropython.sk – a web portal for MicroPython beginners (Since 2016)
- Kavamat – A Resco 2015 Hackathlon IoT project – we won the 2nd prize
- MicroPython workshops & presentations (over 8) at community meetups & schools

Personal
Sports: scuba diving (Advanced OWD certificate), cross-country running (mostly longer distances – 20km+), kayaking (competitively between 2010 – 2015), climbing and hiking

Languages
Fluent in English, Slovak and Czech

IT Skills	• Eagle PCB design, PCB assembly (through hole & SMD), PCB Testing (EMI)
	• Python programming (lecturer of Python and MicroPython)
	• C programming (As well as Arduino version of C), BGScript
	• Basic web programming (HTML, CSS, JavaScript, PHP & MySQL)
	• Electronics – passive components, IC's, wireless devices (Bluetooth and WiFi)
	• Micro-controllers – Atmel chips (Atmega, Attiny), STM32, BLE112, ESP8266, …
	• Linux server administration (ubuntu server, apache, gitlab, nginx)
	• Linux boards – Raspberry Pi, Orange Pi (web server / NAS server)
	• MicroPython boards – NodeMCU, Witty Board, Micro:bit
	• OpenCV programming – motion detection & object recognition (in Python & Java)
	• Electricity – knowledge of basic design and maintenance (circuit breakers, cabling)
	• Networking – CCNA academy – Switching and Routing, network topology design, network protocols, physical crimping and cabling