

# ZOLTÁN BERKULA

## JUNIOR SOFTWARE ENGINEER

### PROFILE

I am an ambitious self-taught junior software engineer with interest not only in virtual but also in physical realisations of information technology. I like new challenges and continuous learning. My goal is to build software and hardware that works together in harmony and makes our lives a bit easier.

### EXPERIENCE

- 2021 - 2023      **MTHolding Zrt.**  
*Position: Junior Software Engineer, Budapest, Hungary*  
EV chargers, EV charging solutions, E-mobility, Energy Management and Energy Storage Solutions, IoT development
- 2016 - 2020      **G. R. E. Sound**  
*Position: Sound and Lighting Technician , Vinica, Slovakia*  
FOH Mixing, Lighting, Equipment maintenance, equipment development, stage rigging, Electrical works

### EDUCATION

- 2020 - 2020      **University of Technology Koszalin**  
*University, Koszalin, Poland*  
**Major:** Computer Science  
**Programme:** CEEPUS
- 2018 - 2020      **J. Selye University**  
*University, Komárno, Slovakia*  
**Major:** Teaching of English language and literature and Computer Science  
**Degree:** Master's degree (*Summa Cum Laude*)
- 2015 - 2018      **J. Selye University**  
*University, Komárno, Slovakia*  
**Major:** Teaching of English language and literature and Computer Science  
**Degree:** Bachelor's degree (*Magna Cum Laude*)
- 2010 - 2014      **Stredná odborná škola techniky a služieb**  
*Vocational School, Štúrovo, Slovakia*  
**Major:** Electronics, electrician  
**Degree:** High School Diploma (*First Class Honours with Distinction*)

---

## SKILLS

---

### Communication Skills

Hungarian	
English	
Slovak	
Czech	
Polish	
Norwegian	

### Embedded Software Skill Stack

Embedded Systems	
Embedded C/C++	
Embedded SW Design	
Firmware Development	
RTOS	
Arduino API	
ESP-IDF API	
Embedded Linux	
MQTT Protocol	
Modbus RTU Protocol	
HMI Development	
OOP	
Ocpp	
EV Charging principles	
Energy Storage and Management principles	

### IoT and Web development Skill Stack

Node JS	
Python	
React JS	
Cloud Computing	
Google Cloud Platform	
Amazon Web Services	
Docker	
Terraform	
GCP Firestore	
AWS DynamoDB	
MongoDB	
REST	

### Soft Skills

Time Management	
Adaptability	
Problem-solving	
Creativity	
Punctuality	
Flexibility	

### Hardware Skill Stack

Microcontrollers	
Computer Hardware	
Electronics	
Power Electronics	
Schematic analysis/design	
PCB analysis/design	
Hardware debugging	
Atmel AVR	
Espressif ESP01/8266/32	
Raspberry Pi	
Assembly/Disassembly	
3D Printers & Printing	
Electronic Measurement	

### Sound and Lighting Skill Stack

Equipment Maintenance	
Equipment Repair	
FOH Mixing	
FOH Lighting	
Stage Rigging	
Crossover, Amplifier, DSP operations	
Logistics	

---

## CONTACT

---

- 🏠 Vinica, Slovakia
- ☎ +421 907 552 415
- ✉ zoltanberkula@gmail.com / zoltanberkula@icloud.com
- 📘 facebook.com/zolko1995/
- 📷 instagram.com/zltn\_brkl/
- 🌐 www.zltn-brkl.com