



Boldizsár MÁRTON

Electrical Engineer

Electrical engineer with five years of experience in **EV charging systems** and **industrial control R&D**. Adept at **low-level communications** integration (Go) and prototyping **AI-enhanced** features. Motivated by **collaborative work** and driven to contribute to impactful, purpose-oriented technology. Seeking to apply strong **analytical thinking** in a team that values **innovation** and real-world outcomes.

Contact

Email

martonboldizsar@gmail.com

GitHub

github.com/martonboldizsar

LinkedIn

linkedin.com/in/martonboldizsar

Web

martonboldizsar.hu

Education

2015 - 2020

BSc Electrical Engineer

Budapest University of Technology and Economics

Technical Skills

Programming & Scripting

Go, Java, TypeScript, Python

DevOps & Infrastructure

Git, Docker, Grafana, Basic Networking

Protocols & Standards

Modbus (TCP/RTU), OCPP, I2C, Serial, HTTP, SSE, MQTT

Tools & Platforms

Svelte, Postman, MS Office

Certifications

Optical Network Installation & Splicing

(Budapest & Debrecen, 2025)

Lifeguard

(Pálköve & Zánka, Summer 2018)

Shipbuilding & Repairman OKJ Certification

(Keszthely 2018–2020)

Driving License (Category B)

Experience

○ **Sept. 2023 - present**
Platina-Ker, Budapest

R&D Engineer

Integrate **low-level communications** for industrial and microelectronic devices (Modbus TCP&RTU, I2C, Serial) enabling **real time data acquisition** and **control**.

Design **electrical schematics** and plan wiring layouts for PC-based **control systems**.

Plan and execute **measurements** to compare industrial control devices.

Contribute to the Svelte-based **web HMI components**.

Prototype AI integration for data analyzing and use Grafana for **data visualization**.

○ **Sept. 2020 - Aug. 2023**
Parkl, Budapest

Hardware Engineer

Integrated parking access systems by deploying and **configuring barrier controllers** and **license plate recognition (LPR)** cameras across multiple client sites.

Led **end-to-end process** from **on-site** inspection and planning to final installation and **testing**, ensuring smooth system commissioning.

Explored and **validated** new **hardware devices** for compatibility and **performance**; acted as first-line **technical evaluator** for product expansion.

Developed internal **utility tools** to streamline **testing** and setup of **charging stations** and controllers.

Gained in-depth experience with **EV charger** operations and **remote control** using the OCPP protocol.

○ **2020**
Project Laboratory

Finding neural architectures using evolution

Built a 2D physics-based **simulation framework** for evolving and testing **neural-network** architectures.

○ **2019**
Diploma thesis

Automatic fading detection using neural networks

Researched **neural-network** methods for detecting signal fading caused by precipitation in satellite-to-earth **propagation data**.

Language

English

TELC B2 complex exam - daily use

Spanish

Conversational - Self-studying to advance fluency