

Dávid Jenei

Embedded Software Engineer

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EXPERIENCE

- **Evopro Innovation** - Software Engineer and Technical Lead (2019 -)
 - Organising a team specialised in embedded Linux development
 - Developing firmware and software for real-time systems and Linux
 - Working on automotive and industrial control projects as staff member in an engineering services company
- **Evopro Innovation** - Embedded Software Engineer (2016 - 2019)
 - Designed and deployed Linux firmware for industrial and consumer devices
- **Telekom HU** - Operations Engineering Intern (2014 - 2015)
 - Investigated broadcast and network issues on IPTV and streaming platforms

PROJECTS

- **AUTOMOTIVE**
 - Lead software development of **telematics gateway** device deployed on an electric bus fleet
 - Designed and implemented an **in-vehicle infotainment** system for a truck prototype
 - Worked on AC/DC **EV charger** project as firmware and build engineer
 - Contributed to safety-critical software development on automotive microcontrollers
- **INDUSTRIAL CONTROL**
 - Developing control system software for **experimental physics** in a particle accelerator development project
 - Cooperated in large-scale EU innovation projects targeting digital industry
- **IOT DEVICES**
 - Helped startups develop network-connected embedded systems
 - Migrated **media streaming** device from on-premise to AWS IoT Core
 - Designed **WLAN connectivity** and Azure Sphere integration for consumer IoT devices

EDUCATION

Budapest University of Technology 2011 - 2016

Master's degree, Electrical Engineering, Embedded Systems program

SKILLS AND KEYWORDS

- **-d, --development**: Develop firmware and low-level software in **C/C++**, build tools in Python, currently learning Rust. More info on my [Technology radar](#).
- **-l, --linux**: Bring up boards, develop drivers, customise device trees
- **-b, --build**: Build Linux systems with Yocto and Buildroot. Fix build errors, cross-compile packages, run builds in **containers**.
- **-c, --cloud**: Integrate IoT products to cloud, design cloud-device communication models. [Azure certified](#).
- **-s, --security**: Implement secure boot, firmware encryption, remote attestation, and firmware update methods
- **-h, --help**: Help businesses understand and implement IoT technology

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