



# Ákos Dabasi

## Embedded Software Developer

### Contact



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### Languages

Hungarian - native

English - C2

Spanish - B1/B2

German - B1/B2

French - B1/B2

### About Me

Thanks to my education in Mechatronics, I have a strong understanding of electrical, mechanical and software engineering. I also have a diverse professional experience, which I believe demonstrates well my ability and willingness to continue learning and mastering new skills.

### Work Experience

#### **Embedded Software Developer, AVL Hungary Kft.**

*January 2023 - September 2024*

- I developed AUTOSAR automotive software on embedded platforms with a main focus on the communication stack and CDD components.

#### **Technical Application Specialist, Epicor Hungary Kft.**

*October 2022 - January 2023*

- I helped clients to solve technical problems and maintained their databases.

#### **English Teacher, Salesianos Puertollano**

*September 2021 - July 2022*

#### **C++ Software Developer, Cadline Kft.**

*March 2020 - September 2021*

- I developed features on a 3D CAD software in C/C++.

#### **Application Engineer, National Instruments Hungary Kft.**

*July 2019 - January 2020*

- I provided measurement & automation solutions to customers using NI hardware and software.

### Education

#### **Mechatronics Engineering, Technical University of Budapest**

*September 2016 - June 2021*

- Specialisation: Industrial Engineering
- Final Thesis: Building a Smart Home model for demonstration purposes.
  - Technologies involved: React, Node.js, MQTT, C/C++, STM32F103RBT6, ESP8268,

#### **Mechatronics, Karlsruher Institut für Technologie**

*September 2018 - February 2019*

- Mechatronik und Informationstechnik

## **Skills**

- C, C++
- AUTOSAR Communication Modules, MISRA C
- Embedded Systems (ESP8268, Arduino, STM32)
  - digital electronics
  - communication protocols (SPI, UART, I2C, CAN, MQTT)
- Web Development fundamentals( HTML, CSS, JavaScript, React, Redux, Node.js, Express, MongoDB)
- Linux fundamentals
- SQL
- Git, GitHub