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|---|---|
| **CV no / ID:** | 45182 |
| **Main Expertise:** | Embedded Systems Engineer |
| **IT Experience since:** | 2017 |
| **Education degree:** | Programų Sistemų Bakalauras (Bachelor's Degree) |
| **Other notes:** | Available to start working from March, currently searching for new opportunities. |

## Summary

This candidate is an embedded engineer with a strong background in C/C++, microcontrollers, FreeRTOS, and hardware-level debugging. Their experience spans embedded medical devices, Bluetooth-enabled automotive interfaces, IoT systems, and mobile applications. They have delivered complete embedded products from scratch, including a CE-certified medical device, and have worked across firmware, GUI development, infrastructure, and team leadership. The profile shows a hands-on engineer comfortable with hardware, low-level debugging, and full lifecycle embedded development.

## Skills/Competencies:

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| **Expert:** | Embedded C/C++, STM32, ESP32, FreeRTOS, embedded firmware development, debugging on hardware, iOS development (Swift), QT-based GUI development, microcontroller programming, Bluetooth-based device communication, embedded device bring-up, mentoring junior developers, code review culture, GitLab hosting and CI/CD pipelines, Linux servers, Docker, electronics fundamentals (oscilloscope use, soldering, schematic reading) |
| **Advanced:** | C#, Java, Python, Entity Framework Core, networking fundamentals, embedded R&D work, medical device software development (ISO 62304 C-level), GUI development with QT6, embedded system |

documentation, internal IT infrastructure management

**High Competence:** Embedded systems architecture, cross-platform development (mobile + embedded), hardware-software integration, debugging complex interactions between mobile apps and embedded devices, teaching programming (iOS/Swift), leading small engineering teams

## Project Experience:

Feb 2022 - Now

### iOS, Embedded Engineer

n/a

- Developed and documented CE marked device (ISO 62304 Level C medical device) from scratch, designed to inflate a balloon for stent placement in a human blood vessel, languages used: C, C++.
- I programmed medical GUIs using QT 6.
- Responsible for the company's internal IT infrastructure, including GitLab hosting, CI/CD pipelines, networking.
- I conducted job interviews, had 2 junior programmers that I led.
- I was responsible for introducing programming standards, using git, and creating a code review culture.

Feb 2019 – Feb 2022

- ### Embedded Engineer

n/a

- I worked half my time at this company on the development of an iOS application.
- After that I programmed a device that acts as an intermediary between the car and the iOS application using Bluetooth.
- At the same time, I was also in the R&D team.

Nov 2017 - Feb 2019

### Junior Software Engineer

n/a

- Started as an Android application programmer, then I switched to embedded systems programming and finally I programmed iOS applications and embedded devices that these applications control (IOT devices).

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## Education:

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|---|---|
| Sep 2015 - Jun 2020 | Kauno Technologijų Universitetas (KTU), Programų Sistemų Bakalauras |

## Languages:

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|---|---|
| Lithuanian | Native or Bilingual proficiency |
| English | Professional working proficiency |