Name:   Gergő Fónad

Birth:   1993.05.07.

mobile:   +36-20-517-80-33

Address:   Liget Street 5, 3070 Bátonyterenye

Address:   Népszínház Street 47, 1081 Budapest

Company: Organic Only Vending
Franchise Magyarország Kft.

Position: System and Software Engineer - Contractor

Date: Mar 2022 - now, 6 months

Place: Budapest, Hungary

## Tasks:

- create system architect
- Application-level design and development based on product requirement
- select the system hardware parts
- create and implement UI design
- design and create statemachines
- create and implement local databases
- implement costumers requirements
- keep in touch with costumer's other developer teams
- make time table and coordinate the parts of the project
- create the base release processes
- create animations
- write code generator
- refactoring
- make performance optimalizations

## Experiences:

Flutter, Debian, Windows, Web, Raspberry Pi4, ORM, Hive, BLOC, REST-API, TCP Socket, Blender, Asana, Git, JSON, embedded sytem, front end, graphical design,

## Programming languages:

Dart, C/C++, python, java

During my time at the company, I am the main responsible of the developing of the central component. This component connect the base hardware functions with the cloud function, and keep in touch with the user. I manage this part of the project.

Company:  MuzixGroup / MZX Robotics

Position:     Robotical Software Engineer - Contractor

Date:          Marc 2021 - now, 15 months

Place:         Budapest, Hungary


## Tasks:

- sotware maintenance
- Application-level design and development of robots tailored to customer needs
- Functional testing of written software
- on-site monitoring of the robot system and immediate rectification of errors
- software and hardware troubleshooting
- keeping in touch with the buyer and supplier


## Experiences:

Android Studio, Android OS, Google DialogFlow, Grandle Build Tool, XML, FireBase


## Programming languages:

Java, Kotlin


Maintenance and further development of a tender winner project, that created based on my master thesis.
(https://mzxrobotics.com/palyazat)

Company: B. Braun Group

Position: Software Engineer

Date: Apr 2020 - Mar 2022, 2 years

Place: Budapest, Hungary

## Tasks:

- develope the software of the embedded medical devices
 - software bug fixes,
- implement new features
- working with legacy code
- software maintenance
- develope installer tools
- develope new features for auto-tester tools(internal tools)
- develepove matlab/simulink model & mathlab scripts
- refact matlab model & mathlab scripts
- check, create and develepove software requirements
- create documentations
- run smoke tests on develpoer side

## Experiences:

VSCode, Eclipse, Git, SVN, Notepad++, Visual Studio, Atlassian - Crucible, Jira, MCD, Debian, matlab/simulink

## Programming languages:

C/C++, NSIS (Nullsoft Scriptable Install System), Java, Gherkin

Company:  MuzixGroup

Position:    Robotical Software Engineer

Date:        Sep 2019 - Dec 2019, 4 months

Place:        Budapest, Hungary

## Tasks:

- maintenance, retrieval, verification, storage of data / specifications of products,
- Application-level design and development of robots tailored to customer needs
- Functional testing of written software
- on-site monitoring of the robot system and immediate rectification of errors
- software and hardware troubleshooting
- keeping in touch with the buyer and supplier

## Experiences:

Android Studio, Android OS, Google DialogFlow, Grandle Build Tool, XML,

## Programming languages:

Java

Company: Mentor Graphics

Position: Software Engineer

Date: Feb 2019 - May 2019, 4 months

Place: Budapest, Hungary

## Tasks:

- modul and software testing
- source code modification

## Experiences:

QAC, AUTOSAR, Git,Junit, Eclipse, Notepad++, (AR)XML, Jira, SiL, Jenkins,

## Programming languages:

C/C++, Java

During my time at the company, I passed the ISTQB - Foundation level exam by the Masterfield exam center. But because of my Master's thesis, I had to switch companies during my training period.

Company:  evosoft Hungary

Position:    Software Engineer

Date:        Feb 2017 - Jan 20192 years

Place:       Budapest, Hungary


## Tasks:

- evaluation of measurements
- compile, run and evaluate developer side measurements
- development of test environments
- development of module tests
- software development
- software bug fixes
- implementation of improvements at code and model level
- model based development (ARXML editing)
- documentation
- maintenance of hardware
- refactoring of modules, functions
- Editing UML graphics
- Processing and implementation of requirements
- testing
- Checking and fixing QAC errors
- participation in reviews


## Experiences:

INCA, Vector, QAC, AUTOSAR, GIT, RTRT modul testing, Trace32, Eclipse, Visual Studio, Notepad++, (AR)XML, tickets, Jenkins, miniHiL,


## Programming languages:

Ada, C/C++,

University: Óbuda Universty - Neumann János Faculty of Informatics MSc.

Date:     2018 - 2020

General Subjects:

- applied mathematics
- embedded systems
- image processing
- control technique
- cloud computing systems
- parallel programming
- basics of database development

Vocational Subjects:

- machine learning
- programming robot systems
- control of robots
- industrial and service robots
- kinematics and dynamics of robots

Thesis:

Design and implementation of a multi-purpose application framework for CruzR human service robot

Brief:

The purpose of the assignment was to create a program that was customized by the customer needs are summarized and later expanded and customized for further customers according to your needs. The implemented application is written in Java programming language. Written for the robot application had to keep in touch with users and their current environment too.

University: Óbuda University - Kandó Kálmán Faculty of Electrical Engineering BSc.

Date:     2013 - 2017

General Subjects:

- mathematics
- physics
- legal and social sciences

Vocational Subjects:

- electrical engineering
- knowledge of electrical materials
- electronics
- digital technology
- signal and image processing
- programming
- embedded systems
- automation

Thesis:

Humanoid robot arm

Brief:

Assembled from recycled parts, programmed in C programming language STM32L476RG (ARM Cortex M4) Microcontroller Based Robotic Arm with PC Supported Program which is written in C# programming language. The robot can also be trained and controlled by a motion sensor.

Activities and Societies: I gave support for the other students from C and Assembly programming language, developing embedded systems, and subject from automatisation.

Langauges:

Hungarian - Native or bilingual proficiency,
English - Limited working proficiency,
German - Elementary proficiency


Trainings:

Certified Tester Foundation Level (CTFL)
Masterfield Training Center
Credential ID H19041208/CTFL

Android developer foundation course (2 weeks)
Dr. Ekler Péter @webuni
Credential ID 4G6ACGJT

Android developer intensive basic training (8 weeks)
Dr. Ekler Péter @webuni
Credential ID 44P2MXJX

Android developer advanced training (12 weeks)
Dr. Ekler Péter @webuni
Credential ID ZRY645E3

Java backend foundation course (3 weeks)
Ekler-Antal Éva @webuni
Credential ID: -

Java Spring Boot backend developer training (12 weeks)
Imre Gábor @webuni
Credential ID VL2F8MHV

Intensive Flutter foundation course (3 weeks)
Pásztor Dániel @webuni
Credential ID: -

Intensive Flutter basic training (12 weeks)
Pásztor Dániel @webuni
Credential ID FU43CHUU

Electrician (6 months)
@Fekete Felnőttképző Kft.
Credential ID: -

Electronic asset protection mechanic (6 months)
@Oktat60 Kft.
Credential ID: -