

PROFIL

I am a software and system development engineer with almost 8 years of professional experience, part of which is also associated with knowledge within an independently run business.

Thanks to my experience, I also know the agile project/software development methodology well.

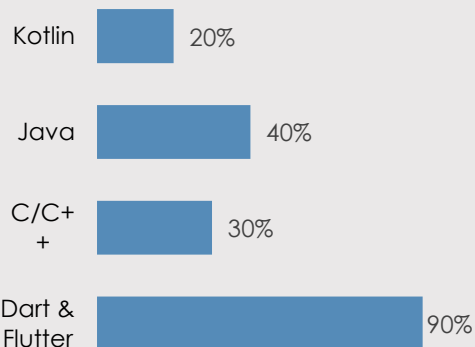
My career started with the development of embedded systems, and currently my main profile is Flutter-based cross-platform development for mobile (Android), web, and desktop (Windows, Linux) systems.

I try to constantly improve myself with various courses, self-education and hobby projects. During my work, I strive for high-quality, transparent, clean processes and results.

CONTACT

- **LINKEDIN:**
<https://www.linkedin.com/in/gerg%C5%91-f%C3%B3nad-6b124b19b/>
- **MOBIL:**
+36-20-517-80-33
- **WEB CV:**
<https://yellowroka.github.io/webcvpage.github.io/#/>
- **E-MAIL:**
fonadgergo@hotmail.com

SKILL LEVELS



GERGŐ FÓNAD

Software engineer

EDUCATION

Óbuda University – Neumann János Faculty of Informatics MSc.
2018-2020

Master's thesis: Design and implementation of a multi-purpose application framework for CruzR human service robot. It is based on Android.

Óbuda University – Kandó Kálmán Faculty of Electrical Engineering Bsc.
2013 – 2017

Thesis: Design and implementation of humanoid robot arm. It is programmed with C based on ARM microcontroller and used C# for the graphical UI.

EXPERIENCE

Data-Vita Kft.

Lead Front-end Software Developer

2023.01. – NOW (contractor)

Develop software for Android based on Flutter.

Organic Only Vending Franchise Magyarország Kft.

Lead System Developer

2022.03. – NOW (contractor)

Design and implementation full system development, automation and POS application development with UI on multiple platforms with Flutter framework. + Project management.

Hunelco Kft.

Senior Front-end Software Developer

2024.01. – 2024.09. (contractor)

Develop software for unique Android based on Flutter.

Cavity Eye Hungary Kft.

Senior Front-end Software Developer

2023.01. – 2023.08. (contractor)

Develop software for embedded system's Android and web device based on Flutter.

MZX Robotics

Senior Software Engineer

2019.09. – 2019.12.

2021.03 – NOW (contractor)

Based on my Master's thesis design and implementation an Android based service App. Recently it need to maintenance and small further development because it comes to a tender winner project:

<https://mzxrobotics.com/palyazato>

B. Braun Group

Medior Software Engineer

2020.04.–2022.03.

Develop software for embedded medical devices based on C.

evosoft Hungary

Junior Software Engineer

2016.11.–2019.02.

Develop software for embedded automotive devices based on C.

EXTENDED COMPANIES DESCRIPTIONS

Company: Hunelco Kft.
Position: Senior Android Front-end Software Engineer - Contractor
Date: Jan 2024 – Sept 2024
Place: Budapest, Hungary
Type: Unique Android mobil application – Content protected by confidentiality

Tasks:

- bug fixing
- software maintenance
- development based on product requirement
- design and create statemachines
- make performance optimizations
- implement costumer's changed requirements
- keep in touch with costumer's developer team
- code refactoring
- implement new features
- create application for unique Android devices

Experiences:

Flutter, Android, BLoC, Cubit, Jira, Git, JSON, interapp operations, front-end, VSCode, agile methodology (kanban),

Programming languages:

Dart, Kotlin,

Company: Data-Vita Kft.
Position: Lead Android Front-end Software Engineer - Contractor
Date: Jan 2023 – now
Place: Szeged, Hungary
Type: Android mobil application – Content protected by confidentiality

Tasks:

- bug fixing
- software maintenance
- development based on product requirement
- design and create statemachines
- make performance optimalizations
- implement costumer's changed requirements
- keep in touch with costumer's developer team
- code refactoring
- trainee mentoring

Experiences:

Flutter, Android, BLoC, Jira, Git, JSON, front-end, graphical design, VSCode, agile methodology (kanban),

Programming languages:

Dart

Company: HUN-REN Társadalomtudományi Kutatóközpont
(HUN-REN Centre for Social Sciences)
Position: Senior Android Front-end Software Engineer - Contractor
Date: Jun 2023 – Dec 2023
Place: Budapest, Hungary
Type: Android mobil application – Content protected by confidentiality

Tasks:

- bug fixing
- support development based on product requirement
- design and create statemachines
- make performance optimizations
- consulting and support service
- keep in touch with costumer's developer team
- testing

Experiences:

Flutter, Android, BLoC, Jira, Git, front-end, VSCode, agile methodology (kanban),

Programming languages:

Dart

Company: Cavitiy Eye Hungary Kft.
Position: Senior Front-end Software Engineer - Contractor
Date: Jan 2023 – Aug 2023
Place: Kecskemét, Hungary
Type: Android application for plastics industry – Content protected by confidentiality

Tasks:

- bug fixing
- software maintenance
- development based on product requirement
- design and create statemachines
- make performance optimizations
- implement costumer's changed requirements
- keep in touch with costumer's developer team
- code refactoring

Experiences:

Flutter, Android, Web, BLoC, Riverpod, REST-API, TCP Socket, Jira, Git, JSON, embedded system, front-end, graphical design, VSCode, agile methodology (srum),

Programming languages:

Dart

Company: Organic Only Vending Franchise Magyarország Kft.
Position: Lead System and Software Engineer - Contractor
Date: Mar 2022 - now
Place: Budapest, Hungary
Type: Multi-platform application for food and drink vending machine industry –
Content protected by confidentiality

Tasks:

- create system architect
- Application-level design and development based on product requirement
- select and test 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 (embedded and cloud team)
- make time table and coordinate the parts af 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, RESTAPI, TCP socket, Blender, Asana, Git, JSON, embedded sytem, front end, graphical design, VSCode, agile methodology (kanban),

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 too.

On this project I am the responsible for the architecture and managing the milestones of the project therefore I used Asana for project life cycle managing and Agile methodes for fast feedback from the costumer and the best quality and customer satisfaction.

At the begginig of the project there was no graphical designer therefore I must created the design of the views and pages. Fort he same reason I must created animation videos too, so I started to learn use the Blender tools.

Company: MuzixGroup Kft. / MZX Robotics
Position: Senior Robotical Software Engineer - Contractor
Date: Marc 2021 -now
Place: Budapest, Hungary
Type: (Mobil) AI based application for AOSP and Ubuntu based service robot –
Content protected by confidentiality

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, agile methodology (kanban),

Programming languages:

Java, Kotlin

Maintenance and further development of a tender winner project, thet created based on my master thesis. (<https://mzxrobotics.com/palyazat0>)

Company: B. Braun Group
Position: Senior Software Engineer
Date: Apr 2020 - Mar 2022
Place: Budapest, Hungary
Type: Medical embedded system

Tasks:

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

Experiences:

VSCode, Eclipse, Git, SVN, Notepad++, Visual Studio, Atlassian - Crucible, Jira, MCD, Doors, Debian, matlab/simulink, agile methodology (kanban, scrum),

Programming languages:

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

Company: MuzixGroup
Position: Senior Robotical Software Engineer
Date: Jun 2021 – Dec 2021
Place: Budapest, Hungary
Type: AI based (Mobil) application for AOSP and Ubuntu based service robot –
Content protected by confidentiality

Tasks:

- maintenance, retrieval, verification, storage of data / specifications of products
- Application-level design and development of robots tailored to customer needs
- Functional testing
- 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: Medior Software Engineer
Date: Feb 2019 - May 2019
Place: Budapest, Hungary
Type: Automotive industry – generating tool for embedded systems

Tasks:

- modul and software testing
- source code modification

Experiences:

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

Programming languages:

C/C++, Java

During my time at the company I passed the ISTQB - Foundation level exam by the Masterfield exam center. Because of my Masters thesis, had to switch companies during my training period.

Company: evosoft Hungary
Position: Junior Software Engineer
Date: Feb 2017 - Jan 2019
Place: Budapest, Hungary
Type: Automotive industry – embedded systems

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 and functions
- Editing UML graphics
- Processing and implementing of requirements
- Checking and fixing QAC errors
- participation in reviews

Experiences:

INCA, Vector, QAC, AUTOSAR, GIT, RTTR modul testing, Trace32, Eclipse, Visual Studio, Notepad++, (AR)XML, Jenkins, miniHiL, HiL, Atlassian, agile methodology (scrum),

Programming languages:

Ada, C/C++,

OKLEVÉL / DIPLOMA

Főnad Gergő

Felnőttképzési nyilvántartási szám / Adult Education Registration Number: B/2020/007050

részére, aki sikeresen elvégezte a Laba nemzetközi iskola szervezésében a következő kurzust / who successfully completed the following course organized by the international education platform Laba

Projektmenedzsment az IT területén / Project management in IT

és elérte a teljesítéshez szükséges pontszámot / by achieving the passing score

Órák száma / number of hours: 18

Alkalmak száma / number of lessons: 12

2024. július 21.

Dykhne Iryna
CEO, Laba
Hungary

Feldman Yevhen
CEO, Laba Group

Tild Attila
Senior Project Manager,
BT



f facebook.com/labahungary

info@l-a-b-a.hu

in linkedin.com/company/laba-hungary

B/2020/007050

CERTIFICATE

Gergő Főnad

has successfully completed
the following course:

Refactoring in practice

2024.04.22. - 2024.07.01. | 24 hours | 16 webinars

Péter Varga
lecturer

l-a-b-a.hu

Tanúsítvány

Fónad Gergő

részére, aki sikeresen teljesítette a(z)

Flutter intenzív alapképzés

c. 12 hetes online képzést.

A képzés résztvevői a következő ismereteket sajátították el:

- Dart nyelv áttekintés, Flutter keretrendszer
- Android Studio és Android SDK telepítése
- Flutter widgetek
- Future, aszinkron programozás, Material design
- Listák kezelése, Reszponzív felületek, Alkalmazás többnyelvűsítése
- Állapotkezelés Provider könyvtárral
- Állapotkezelés BLoC könyvtárral, BLoC állapotkezelés, Cubit vs BLoc
- Perzisztens adattárolás, SharedPreferences/Moor/Hive könyvtár
- Hálózati kommunikáció kezelése
- Alkalmazás architektúra
- Animációk, hasznos könyvtárak



WEBUNI
Szervező



BME-VIK
Szervező partner

Pásztor Dániel
Oktató

Tanúsítvány

Fónad Gergő

részére, aki sikeresen teljesítette

Dr. Ekler Péter -

Android fejlesztő intenzív alapképzés

c. 8 hetes online képzését.

A képzés résztvevői a következő ismereteket sajátították el:

- Android platform és fejlesztési környezet
- Alkalmazás komponensek, felépítés és életciklus kezelés
- Felhasználói felület készítés ismeretek, stílusok, animációk kezelése
- Fejlett felületi elemek, külső komponensek használata
- Komplex lista kezelés
- Adatbázis kezelés, perzisztens tárolási technológiák
- Hálózati kommunikációs technológiák, HTTP(S) API-k kezelése
- Legjobb gyakorlatok, haladó technológiai elemek

Budapest, 2021. 02. 07.



Dr. Ekler Péter

Oktató



WEBUNI
Szervező

Nyilvántartási szám: B/2020/006691



BME-VIK
Szervező partner

Tanúsítvány

Fónad Gergő

részére, aki sikeresen teljesítette

Dr. Ekler Péter -
Android fejlesztő haladó képzés

c. 12 hetes online képzését.

A képzés résztvevői a következő ismereteket sajátították el:

- Felhő használata
- Komplexebb multimédia funkciók
- Látványos animációk
- Háttér szolgáltatások használata
- Helymeghatározás és térképkezelési lehetőségei
- Rendszeres eseményekre való feliratkozás
- Alkalmazások közötti tartalommegosztás
- Vonalkódok és QR kódok kezelése
- Okosóra (Android Wear) fejlesztési
- NFC alapú adatkezelés
- Architektúra komponensek (JetPack, MVVM, HILT)
- CI/CD GitHub Actions alapok

Budapest, 2021. 07. 08.



WEBUNI
Szervező



BME-VIK
Szervező partner

Dr. Ekler Péter
Oktató

Tanúsítvány

Fónad Gergő

részére, aki sikeresen teljesítette

Dr. Ekler Péter -
Android fejlesztés alapozó kurzus

c. 2 hetes online képzését.

A képzés résztvevői a következő ismereteket sajátították el:

- Android fejlesztéshez szükséges programozói alapfogalmak
- Kotlin nyelvi alapok
- Mobilfejlesztés gyakorlatok
- Objektum orientált fejlesztés alapok
- Osztályok ismerete
- Kivételkezelés
- Függvény típusok
- Szálkezelés, adatstruktúrák

Budapest, 2020. 11. 31.



Dr. Ekler Péter
Oktató



WEBUNI
Szervező



BME-VIK
Szervező partner

Tanúsítvány

Fónad Gergő

részére, aki sikeresen teljesítette

Imre Gábor

JAVA Spring Boot intenzív alapképzés

c. 12 hetes online képzését.

A képzés résztvevői a következő ismereteket sajátították el:

- A szerver oldali fejlesztés részei, a Spring Boot fogalmai és felépítései
- Webes fejlesztés alapjai a Servlet, JSP alapok és Spring MVC segítségével
- Rest API fejlesztés Spring MVC-vel valamint DTO-k használata valamint
- Hibakezelést és integrációs tesztelés
- Relációs adatbázisok valamint Objektum-relációs leképezések
- Java Persistence API használata
- Adatkezelés folyamatai a Spring Data használatával
- Tranzakció kezelés, dinamikusan összeállított lekérdezések és az entitások öröklése
- Biztonságos fejlesztés
- A Session, Filter fogalmai
- Autentikáció és az autorizációs folyamatok a Spring Securityvel

Budapest, 2021. 06. 17.



WEBUNI
Szervező



BME-VIK
Szervező partner

A handwritten signature in black ink, appearing to read "Imre Gábor".

Imre Gábor
Oktató



HUNGARIAN
TESTING BOARD

CERTIFICATE

of Achievement
presented to

Gergő Fónád

Date of birth: 07.05.1993

having satisfied the requirements of ISTQB
Hungarian Testing Board
has awarded a PASS in the

**CERTIFIED TESTER
FOUNDATION LEVEL**

exam



Exam is based on ISTQB Foundation Level Syllabus; 2011

Tamás Horváth
Leader of HTB's Certification Board

dr. Tibor Csöndes
President of HTB

Granted on:
12 April 2019

Certificate No:
H19041208/CTFL

A DOKUMENTUMOT
ELEKTRONIKUS ALÁÍRÁSSAL LÁTTA EL:

Hungarian Testing Board

