Floroiu Maximilian Stefan

Amsterdam, Netherlands ● github.mfloroiu.com ● maxistefan98@gmail.com ● +316 431 631 17

WORK EXPERIENCE

marXact   **Hilversum**

Flutter Engineer   *Oct 2021 - Present*

- Leading a small team of developers towards the development of a cross-platform (**iOS/Android**) digital centimeter accuracy surveying application. The application integrates OpenID authorization and authentication protocol, **API communication** with a microservice ecosystem and **web socket communication** for RTK GPS information and **data synchronization** with the Cloud for **real-time vizualization** of the field workers' progress. The application implements a **BLoC** state management with a **decoupled architecture** allowing for **maintainability** and **modularity**.
- Integrated hardware sensor communication through CAN bus to visualize the movements of an excavator's bucket and arm. This module was developed in **Unity** and the knowledge base was transferred to my protégé to continue development.
- Built a **CI/CD** pipeline using **Fastlane**, **DroneIO** and **Codemagic**.
- Developed **Unit Testing**, **Behavioural Testin**g and **Integration Testing** plans for the app.
- Developed **on-boarding plans** and tutorials for new, future colleagues.

Alten   **Bucharest**

.NET Developer   *Sep 2020 - July 2022*
- Developed UI Interfaces using WPF for a telemedicine booth software solution
- Worked on Apache Kafka client development
- Worked on improving the VOIP solutions for telecomunication between one to many endpoints
- (doctors – patients) using PortSIP and Vonage.
- With the usage of batch scripting, I deployed measures of distribution and configuration of updated SSL security certificates
- Integrated hardware equipment to our telemedicine WPF solution such as Welch Allyn EKG equipment, RCC(maneuvering joystick that replaces use of touch screen for individuals with disabilities)

Flutter Developer
- Led a small team of developers and a tester towards the development of a hybrid mobile application using Flutter Framework. The application integrated RESTful API communication and Google Maps API real time location tracking, with native code (Swift 5 / Kotlin) injections.
- Developed a Web solution for AES256 generation and encryption of QR Codes data for the application

Kotlin / Java Developer
- Developed a Android Application using Java that receives push notifications from a Web Application developed in Java Spring via Firebase FCM and converts the payload into SMS to various clients. The application was design to work while it is in the background, closed or the phone is using Battery Optimization mode.

Pluriva   **Bucharest**

MSSQL Developer Intern   *Apr 2019 - May 2019*
- Assigned to aid fellow Interns in their training around SSMS and Sql Server
- Developed solutions(stored procedures) for the company's ERP product clients.

Ziarul Financiar   **Bucharest**

Financial News Editor Intern   *July 2018 - Aug 2018*
- Took a one month mentorship programme in a financial industry oriented newsroom.
- Learned to assimilate information from a variety of news giants (Reuters, CNBC, Investing.com, Financial Times), curate the information and build it up into into a news piece.

Microsoft   **Bucharest**

Microsoft Mentorship Program   *Sep 2015 - Feb 2016*
- Developed a game in C++ within a team of highschool students.

L'École centrale de Bucarest   **Bucharest**

Highschool Computer Science Teacher   *Oct 2015 - Jan 2016*
- Supplemented Highschool computer science classes and graded assignments

EDUCATION

Vrije Universiteit Amsterdam   *Sep 2021 - Present*
M.Sc. Software Engineering and Green IT

The Bucharest University of Economic Studies   *Oct 2017 - July 2020*
B.S. Computer Science & EconomicsGPA: 8.8/10

- Developed a **Blazor ASP.NET** web application as my bachelor thesis on Financial Invesments
- The application has been continuously built upon and recently migrated from local development with Git versioning to cloud(Azure), using **Azure SQl** and **Azure SignalR** service for fetching data.
- The application uses 20 yeas worth of raw data on Equities, Indices, Forex, Commodities & ETFs that is being extracted using a web scraper at the end of day closing values

CERTIFICATIONS

- Google - Agile Project Management   *July 2021*

- Google - Foundations of User Experience (UX Design)   *June 2021*
  CreateHigh-Fidelity Designs and Prototypes in Figma
  Build Wireframes and Low-Fidelity Designs
  Responsive Web Design in Adobe XD

- Oracle Academy - Database Design and Programming with SQL   *Feb 2019*