Angelo Falci

Date of birth: 23/08/1994 | **Nationality:** Italian | **Gender:** Male | (+39) 3473927579 |

a.falci@live.it | https://fangelo94.github.io/ | https://github.com/FAngelo94 |

https://www.linkedin.com/in/angelo-falci-1292ab76/ | Skype: falci.angelo |

23100, Sondrio, Italy

WORK EXPERIENCE

11/10/2021 – CURRENT – Remote Working, Italy
FULLSTACK DEVELOPER – TEAMSYSTEM

I'm working, using AGILE methodology, in a remote team that develop a complex web application used to manage own business (DigitalBox).
The main technologies I'm using are:
- Javascript, HTML, CSS
- React, Redux, Storybook
- Gitlab
- Docker
- VSCode
- Windows

25/02/2020 – 11/10/2021 – Torino, Italy
AUTOMOTIVE ENGINEER – CONSULTANT IN STELLANTIS

I worked, using AGILE methodology, in an engineering team that manage the different tools used by other team in order to validate the autonomous driving algorithm. We worked together other teams that are in different parts of the world.
Some of our main activities were:
- Customize the simulation software bought with Stellantis specific requirements (using c++ for core and c#/Unity for GUI)
- Implement docker images with specific test and push them in a cluster to give the possibility to other teams to run test remotely
- Implement DAGs in Airflow (using Python) to manage pipeline tasks like push KPI in a database
- Build Grafana dashboards to visualize simulations outputs
- Define with other teams next features and tests to implement in our simulation tool

These were the main technologies/tools I used:
- C++, Python, C#
- Ubuntu
- VS Code, Unity, Bazel
- Github
- Docker
- Airflow, Jenkins, Codebeamer
- Online World, Excel, Presentation
- ROS

Torino

21/10/2019 – 24/02/2020 – Munich, Germany
AUTOMOTIVE ENGINEER – CONSULTANT IN STELLANTIS

I was in german for a few months to study study technologies and metodologies used from a big automotive company, external partner of Stellantis
Look above for details

Monaco di Baviera, Germany

28/11/2018 – 20/10/2019 – Milano, Italy
FRONTEND DEVELOPER – ACCENTURE

In Accenture I developed very innovative websites.
The websites I realized, in teams with other people, were responsive to be perfectly visible in every screen dimension, from desktop to mobile in order to subsitute the native applications.

Moreover, in very big projects, I developed thinking to the performances in order to create a website as fast as a native application (or almost like).
For more details about my works in Accenture see my online curriculum.
Here I put a list of the main programming languages and technologies I used:
- Javascript, HTML, CSS, SCSS
- React, Redux
- Bulma, Bootstrap
- Github
- Docker
- Jenckins
- VSCode
- Mac

Milano, Italy

05/2018 – 10/2018
MOBILE APPLICATION DEVELOPER – JOL LABORATORY - TIM

For my thesis I realized an Android application using Kotlin to connect the mobile with different devices that people use everyday in order to collect data to improve these device.
I also analyzed some data using Python in order to improve the collection of them.
For more details, or see my entire thesis, visit my online curriculum

Milano, Italy

EDUCATION AND TRAINING

10/2016 – 10/2018 – Milano, Italy
MASTER DEGREE IN COMPUTER SCIENCE AND ENGINEERING – Politecnico di Milano

The last 2 years of the university were the most exciting because I was able to choose many interesting courses and I did many technical subjects and practical projects that help me to improve my problem solving abilities.
In particular I put here a list (and a brief description) of the courses and projects I liked monstly:
- Artificial Intelligence: I studied an introduction of AI. State space and related problem solving methods. Logic and reasoning to find a solution dependent of environment and data available.
- Foundations of Operations Research: I studied graph and network optimization, linear programming and integer programming. I also made a program to solve a complex TSP problem.
- Autonomous Agent and Multi Agent Systems: I studied different methodologies to resolve problem where many autonomous agents work together to solve a problem or to compete each other.
- Robotics and Design: I built a robot using Arduino in a team of engineerings of different areas
- Videogame Design and Programming: I developed a game using Unity in C#
- Advanced User Interfaces: I realized an other robot, in team with some designers, for educational purpose and I presented it to an important conference in Montreal
- Recommender System: I built a recommender system in Python to recommend the best music tracks for some user based of many data (like the current playlist)
- Mobile Application: I developed a mobile application for Android using NativeScript to collect data of books using QR code and external API
I put in the end of the curriculum the entire list of courses I followed.

EQF level 7

10/2013 – 10/2016 – Milano, Italy
INFORMATICS ENGINEERING – Politecnico di Milano

In the first three years I learned the basics of Engineering. Thanks to them I'm able now to understand and resolve complex problems in the field of mathematics, statistics, physics and similar.
In the last of these three years I also did informatics projects.
In particular I created a website, developing frontend and backend.
And for my last project I made a multiplayer online game, using Java, based on a board game called "Il consiglio dei 4".
I put in the end of the curriculum the entire list of courses I followed.

EQF level 6

In the high school I started to program with Java and C#.
Here I learned the basic of electronics and my last year, like project, I develop a radio controlled submarine with a camera to saw what submarine saw. I did this project using Arduino and I developed in C (for Arduino) and in C # to create the software to communicate with the Arduino.

EQF level 5

LANGUAGE SKILLS

Mother tongue(s):   **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Main Programming and Style Languages

Python | Javascript | Java | CSS | php | Bash Script | SQL | HTML

Operating Systems Used

Linux | Ubuntu | Windows | Mac

Developer Tools and Editor

VS Code | Airflow | Unity | Docker | Jupiter | GIT (GitHub)

Frameworks and Library

React | Stencil | Redux | Leaflet | Flask | Storybook | Pandas | Numpy

General Knowledge

JSON | XML

Other

Arduino | bootstrap | Bulma | Android

DRIVING LICENCE

Driving Licence: B

PROJECTS

2019 – CURRENT
Fullstack Applications

https://climberworld.web.app/
In my free time I work/worked to some full stack application in order to learn new things and keep training the knowledge I already have.
For the moment I'm working on a web application alone and I'm developing both frontend and backend.
Frontend Technologies
For the frontend these are the main technologies I'm using:
- **React** as frontend
- **Redux** to manage the store of application
- **Styled components** to manage the style
- **Firebase** to deploy the application

Backend Technologies
For the backend these are the main technologies I'm using:
- **Flask** micro-framework developed in **Python**
- **mysql** to manage the database because the information inside the application are well structured
- **phpmyadmin** docker image used locally to explore the local database using an UI
- **docker and docker-compose** to develop easly the backend locally where 3 docker image are run, one for Flask, one for mysql and one for phpmyadmin
- **Swagger** to create a list of API documented well
- **pythonanywhere** to deploy the application
- **marshmallow, SQLAlchemy and connexion** to manage easly the tables in the db inside the API

Other Techologies/Tools
- Git
- Visual Studio Code

ORGANISATIONAL SKILLS

Organisational skills

I have good skills to organize the work alone or in team if necessary.
I acquired these skills mainly during the university thanks to the big workload needed to pass the exams and also for the practical projects I did with other guys.
In some projects I also worked as a leader organizing the workflow for the team.
I continued to train this abilities working on big projects in my jobs.
I did agonistic sport and thank to this (and also to the university) I work well also under pressure.

OTHER SKILLS

Other skills

I love sport and in past I did agonistic sport for many years. For the moment I practice running, climbing and cicling, depending on the weather conditions.
I also love visit new places and make Mountain hiking.
And last, but not the least, I very like read and study new technologies!