



# Andrea GRAZIANI

Software engineer

Self-independent and proactive full stack .NET developer with 2+ years of experience.

I developed both *desktop* and *client-server web* applications, dealing with databases, business logic and UI, with a focus on *quality* and *testability* of the released software.  
I can handle all phases of the software development life cycle.

Despite I really like dealing with UI, I wish to improve my knowledge about back-end development and databases, exploring new *system architectures* in order to grow as a software engineer and build high-quality solutions.

## Info

- Rome, Italy
- +(39) 333 78 58 512
- andrea.graziani.ing@outlook.com
- AndreaG93
- andrea-graziani-5134b8256
- Driving Licence B
  - Car Available

## Languages

- Listening
- Reading
- Writing
- Speaking



- |               |    |    |    |
|---------------|----|----|----|
| B1            | B2 | B2 | B1 |
| Mother tongue |    |    |    |

## Work History

- ALTEN ITALIA S.p.A. | Rome, Italy June 2022 - Ongoing  
as [Software Engineer](#)

I worked as *consultant* developing several kind of software for following companies:

- Telsy S.p.A. | Rome, Italy September 2023 - Ongoing  
as [Full Stack Developer](#)

- I contributed to the development of two enterprise level desktop applications for Microsoft Windows concerning data encryption:
  - The first one aims to enable users to exchange data in a secure way exploiting *one-time pad* (OTP) as encryption technique
  - The last one is designed to allow cryptographic keys exchange between clients
- I was involved in designing and developing the database schema, the stored procedures and the UI for both applications, performing several bug fixes
- I set up CI/CD pipelines
- I updated technical and business documentations
- I improved the reliability of released software by leveraging static software analysis tools and designing and developing unit and integration tests

### Results:

- Designed and developed an UI library in order to speed up desktop software development
- Deadlines met

### Acquired skills:

- I acquired an extensive knowledge about [Windows Presentation Foundation](#) (WPF)
- I started to interact with [Microsoft Active Directory](#) and [LDAP](#) protocol integrating them with developed software
- Improved knowledge about [C#](#), [git](#), [Jenkins](#), [GitLab](#), [SonarQube](#), [Jira](#), [Microsoft SQL Server](#) and [T-SQL](#) domain language

- GF Machining Solutions S.p.A. | Meyrin, Switzerland June 2023 - September 2023  
as [Front End Developer](#)

- I participated to the development of a *client-server* web application which enable users to setup and manage laser industrial machines
- I designed and developed the UI for several application sub-modules, performing several bug fixes and wrote unit tests
- I updated technical documentation

### Acquired skills:

- Significantly improved knowledge about [C#](#), [git](#), [Azure DevOps](#) and [Blazor/MudBlazor](#)
- Slightly improved my confidence in spoken English and my ability to teamwork

- ABB S.p.A. | Rome, Italy June 2022 - June 2023  
as [Full Stack Developer](#)

- I developed two web-based management applications, both based on *client-server* architecture:
  - The first one is designed for data gathering and management, report extraction, scheduling activities and production monitoring of the ABB site of Rome
  - The last one was designed to monitor the activities done by suppliers of ABB.
- I performed requirements gathering, taking care of the technical documentation
- I designed and developed the business logic, the database schema and the UI of both the applications
- Handled production deployment and provided technical support to users
- Improved software quality by introducing static code analysis into the development process
- Supervised and mentored junior developers

### Results:

- Deadlines met with customer satisfaction

### Acquired skills:

- I acquired significant knowledge about several technologies like [C#](#), [SQL](#), [.NET Core 6](#), [Entity Framework](#), [Blazor](#), [CSS](#), [HTML](#) and [Azure DevOps](#)
- Improved interpersonal skills and my ability to work independently

Computer Languages \*

		Years of use	Last time used
C	<div><div></div><div></div><div></div></div>	2	2020
C++	<div><div></div><div></div><div></div></div>	0.5	2012
C# 11	<div><div></div><div></div><div></div></div>	2	Ongoing
Java SE 12	<div><div></div><div></div><div></div></div>	2	2020
Go 1.17	<div><div></div><div></div><div></div></div>	1.5	2022
Python 3.x	<div><div></div><div></div><div></div></div>	1.5	2021
Assembly MIPS	<div><div></div><div></div><div></div></div>	0.5	2015
Assembly x86	<div><div></div><div></div><div></div></div>	0.5	2020
SQL	<div><div></div><div></div><div></div></div>	2	Ongoing
T-SQL	<div><div></div><div></div><div></div></div>	0.5	Ongoing
HTML	<div><div></div><div></div><div></div></div>	2	2023
CSS	<div><div></div><div></div><div></div></div>	0.5	2023
JSON	<div><div></div><div></div><div></div></div>	2	2023
XML	<div><div></div><div></div><div></div></div>	1	Ongoing
LaTeX	<div><div></div><div></div><div></div></div>	4	Ongoing

(\*)  (Beginner) |  (Intermediate) |  (Advanced)

Education

o

MASTER'S DEGREE | Computer engineering

UNIVERSITÀ DEGLI STUDI DI ROMA "TOR VERGATA"

LM-32 - 2ND LEVEL DEGREE IN COMPUTER ENGINEERING

- Final degree mark: 110/110 cum laude

- Thesis title: "A QoS-aware broker for multi-provider serverless applications"

- Thesis supervisor: Valeria Cardellini

o

BACHELOR'S DEGREE | Computer engineering

UNIVERSITÀ DEGLI STUDI DI ROMA "TOR VERGATA"

L-8 - 1ST LEVEL DEGREE IN INFORMATION TECHNOLOGY

- Final degree mark: 102/110

2018 - 2022

2012 - 2018

Training

o

RABBITMQ USAGE IN EVENT DRIVEN ARCHITECTURE | Remotely

Provided by ALTEN Italia S.p.A.

o

SECURE CODING | Remotely

Provided by ALTEN Italia S.p.A.

September 2022

July 2024

Computer Skills \*

WEB PROGRAMMING FRAMEWORKS

Blazor | MudBlazor | Bootstrap

DESKTOP PROGRAMMING FRAMEWORKS

Windows Presentation Foundation | JavaFX

TESTING FRAMEWORKS

JUnit | Mockito | MSTest | NUnit | Moq

VIRTUALIZATION AND CONTAINERIZATION

Docker | Hyper-V | VirtualBox

MESSAGE ORIENTED MIDDLE-WARES

RabbitMQ | MSMQ | Redis Pub/Sub

SYSTEM STYLES AND ARCHITECTURES

Client-server | Serverless | RESTful | Cloud-native

RDBMS

Microsoft SQL Server | PostgreSQL

TSDB

InfluxDB

ORM FRAMEWORKS

Entity Framework | Hibernate

SHELL AND SCRIPTING

Bash | PowerShell

MODELLING TOOLS

UML | Draw.io | Microsoft Visio | StarUML

CLOUD

Apache OpenWhisk | AWS EC2 | AWS Lambda | AWS Step Functions | AWS CloudWatch | Power BI

DEVOPS, BUILD AUTOMATION AND TOOLS

Azure DevOps | Jenkins | Travis CI | SonarQube | Maven | CMake | NuGet

OS

Microsoft Windows | Microsoft Windows Server | Kubuntu | KDE Neon | Manjaro | Arch Linux

IDE

Android Studio | CLion | IntelliJ IDEA Community Edition | GoLand | PyCharm Community Edition | Visual Studio Enterprise | Google Colab

OTHERS

Git | .NET Core | .NET Framework 4.x | Apache ZooKeeper | Valgrind | 1p\_solve | Gurobi | JIRA Software

(\*)  (Beginner) |  (Intermediate) |  (Advanced)