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 application*, dealing with database, 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

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⌨️ AndreaG93

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🚗 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:

- ✔ Significanlty 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

		Years of use	Last time used
C	■■□	2	2020
C++	■□□	0.5	2012
C# 11	■■□	1.5	Ongoing
Java SE 12	■■□	2	2020
Go 1.17	■■□	1.5	2022
Python 3.x	■■□	1.5	2021
Assembly MIPS	■□□	0.5	2015
Assembly x86	■□□	0.5	2020
SQL	■■□	2	Ongoing
T-SQL	■□□	0.5	Ongoing
HTML	■□□	2	2023
CSS	■□□	0.5	2023
JSON	■□□	2	2023
XML	■□□	1	Ongoing
Rust	■□□	0.1	Ongoing
LaTeX	■■□	4	Ongoing

(*) ■□□ (Beginner) | ■■□ (Intermediate) | ■■■ (Advanced)

Education

MASTER'S DEGREE | Computer engineering
📅 2018 - 2022
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*
- Age at graduation: *28* • Graduation date: *23/05/2022*

BACHELOR'S DEGREE | Computer engineering
📅 2012 - 2018
UNIVERSITÀ DEGLI STUDI DI ROMA "TOR VERGATA"
L-8 - 1ST LEVEL DEGREE IN INFORMATION TECHNOLOGY

- Final degree mark: 102/110
- Age at graduation: *25* • Graduation date: *26/10/2018*

Training

RABBITMQ USAGE IN EVENT DRIVEN ARCHITECTURE | Remotely
📅 September 2022
Provided by ALTEN Italia S.p.A.

SECURE CODING | Remotely
📅 July 2024
Provided by ALTEN Italia S.p.A.

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 | lp_solve | Gurobi | JIRA Software

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