

# Alessandro Pezzato

INDEPENDENT SOFTWARE CONSULTANT AND TRAINER ·

Trebaseleghe, PD, Italy

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“Learn. Code. Teach. Repeat.”

## Summary

With over 18 years of professional software development experience and a passion for programming that began at the age of 11, I bring a wealth of expertise to the table.

Specializing in C++ since 2007, I have consistently delivered high-quality solutions throughout my career.

I offer consulting, training, and software development services to companies, specializing in C, C++, Rust, Linux, and technologies for embedded and IoT systems.

Since 2014, I have been working as an independent software developer, taking on various projects.

In addition to my development work, I have also taken on the role of a trainer, sharing my knowledge and expertise with other developers to help them enhance their skills.

I have organized and conducted numerous C++ and Rust courses, providing comprehensive training on best practices and various software development methodologies.

As both a developer and a trainer, I am committed to staying up-to-date with the latest industry trends and technologies, ensuring that I can provide the most relevant and valuable guidance to my clients and students.

## Work Experience (as independent consultant)

### Bluewind S.r.l.

Castelfranco Veneto, Italy

DEVELOPER, CONSULTANT, TRAINER

2018 - Present

- Implemented drivers and firmware for various safety critical embedded systems for automotive, marine and industrial products. Languages: C, C++, Rust.
- Organized C++ and Rust courses for about ten developers.

### Texa S.p.A.

Monastier, Italy

DEVELOPER, CONSULTANT, TRAINER

2014 - Present

- Developed C++ communication libraries (both embedded and server side) for an IoT automotive project to handle real-time remote diagnostic data of about 500 thousands vehicles.
- Organized multiple C++ courses between 2015 and 2022, a total of about 150 hours and 40 developers.

### Spring Tech Innovations S.r.l.

Limena, Italy

DEVELOPER, CONSULTANT

2022

- Developed C++ software for an home automation and alarm system.

### Ferrous Systems GmbH

Berlin, Germany

DEVELOPER

2022

- Developed Rust compiler tests for Ferrocene qualified toolchain.

### MERMEC S.p.A.

Morgano, Italy

DEVELOPER, CONSULTANT

2020 - 2022

- Developed C++ and C# software for surface inspection of steel products.

### ASTRA Yacht S.r.l.

Monfalcone, Italy

DEVELOPER, CONSULTANT

2015 - 2022

- Developed C++ software for sailboat real-time performance analysis.

### Qascom S.r.l.

Bassano del Grappa, Italy

TRAINER

2021

- Organized a 45 hours C++ course for 20 developers working on GNSS and space cybersecurity systems.

### Salvagnini S.p.A.

Sarego, Italy

TRAINER

2019 - 2020

- Organized a course on modern C++ and Test Driven Development, for a total of 24 hours and 10 developers.
- Organized a course on Test Driven Development for C and C++, for a total of 24 hours and 10 developers.

## Ubilot S.r.l.

DEVELOPER, CONSULTANT

- Developed C++ and C# software.

Bassano del Grappa, Italy

2019

## Adatta S.r.l.

TRAINER

- Coached a junior C++ developer.

Padova, Italy

2018

## Carel S.p.A.

DEVELOPER, CONSULTANT

- Developed C++ software and C Linux drivers for HVAC products.

Brugine, Italy

2014 - 2018)

## GM Trading srls

DEVELOPER

- Developed (JavaScript) UI of an e-commerce website

Borgoricco, Italy

2014 - 2018

## Work Experience (employee)

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### Vimage S.r.l.

LEAD SOFTWARE DEVELOPER

- Coordinated and mentored the R&D team of up to 5 developers.
- Worked on different projects for museums, stores and events. Most projects involved interactive projections, touchscreens, touchless sensors and computer vision.
- Developed company's core C++ libraries for 2d and 3d games.
- Developed a company Linux distribution based on Gentoo Linux.

Mirano, Italy

Jul 2007 - Jul 2014

### Nasch S.r.l.

WEB DEVELOPER

- Developed local companies websites (PHP and JavaScript).
- Developed a web tv platform (Flash and ActionScript 3)

Padova, Italy

Oct 2005 - Apr 2007

## Education

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### Liceo Scientifico E. Majorana

SCIENTIFIC HIGH SCHOOL DIPLOMA WITH A SPECIALIZATION IN THE NATIONAL INFORMATICS PLAN (P.N.I.)

Mirano, Italy

2001 - 2005

### Università di Padova

MECHANICAL ENGINEERING (INCOMPLETE)

Padua, Italy

2005 - 2006

### Università Ca' Foscari Venezia

BUSINESS ADMINISTRATION (INCOMPLETE)

Venice, Italy

2006 - 2008

## Skills

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### Programming tools and techniques

Git, gdb, Docker, NeoVim, CLion, TDD

### Programming Languages

C++, C, Rust, JavaScript, Python, Haskell, C#, Bash

### Languages

Italian, English

## Non-profit

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### CodingGym

TRAINER

- Organizer of local (Padova and Castelfranco Veneto) programming lab
- As a trainer, I have designed exercises that cover algorithms, data structures, and problem-solving for the monthly programming workshop.
- As a trainer, I have conducted monthly free programming workshops, assisting over 100 participants throughout the years.

[www.coding-gym.org](http://www.coding-gym.org)

Feb. 2018 - Present

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I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - European regulation on the protection of personal data.