



COLUZZI ANDREA

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[andrea94](#)

About Me

I'm a Software Engineer with many years of experience, I am skilled in Back-End Web Applications, but I am improving my Front-End Development, too.

I Try to always Keep Up with the Latest Technology Trends.

I always try to find the best solution for my tasks and the best way to implement it.

I care deeply about building modules that suit the requirements and are re-usable in the future.

I Love the Open Source Community and I'm contributing to some projects.

I like to share work experiences with my colleagues and do team work.

Experience

Software Engineer

Marini Impianti Industriali S.p.A.

(Feb 2018 – Now)

Cisterna di Latina, Latina, Italy

Analysis, designing and implementation of software solutions for diagnostic and maintenance of Railway Systems, main customer: Rete Ferroviaria Italiana (RFI).

Projects:

- **TDS:** Diagnostic and Maintenance System for Safe Data Transmission Devices, which apply the SIL4 Safety standard. The software solution is composed of several modules, which communicate with each other through a Message Broker and interface with a generic Front-End developed by an external company.
- **LoRaTool:** Standalone Software Solution with corporate equipment configuration functionality via AT protocol on LoRa connection. The software solution runs on a Microsoft tablet and uses a USB AT modem to communicate with the devices. Application developed independently.

Skills

OOP ★★★★★

TDD

Microservices

REST API

Network Programming

Database

Java

Spring

Spring Boot

Scrum Framework ★★★★★

Maven

Mockito

MySQL

Virtualization ★★★★★

Broker MQTT

Docker

RabbitMQ

VCS (GIT)

C#

.NET Framework

PHP

Javascript

HTML5

CSS3

Android

Angular ★★★★★

C

C++

Python

Ruby On Rails

Cloud Computing

AWS

- **MTR:** Diagnostic and Maintenance System for Rail Temperature Monitoring Devices. The software solution consists of two different modules (a data collector and a Business Logic module) and interfaces with a generic FrontEnd developed by an external company.
- **Plant Editor:** Software solution with plant configuration functionality, based on the framework Node RED. The Application allows users to build and export plant configurations.

Positions / Covered Figures:

- Collection of Requirements
- Software Analysis and Design
- Design of Software Interfaces
- Software documentation
- Back-End Software Developer
- Standalone Software Developer

Main Technologies, tools and frameworks used:

Java 8, C # 6.0, JavaScript ES6, .NET Framework 4.6, Spring & Spring Boot, Eclipse, VS Code, Visual Studio 2019 CE, Microservices Architecture, Docker, Rabbit MQ, TDD, Agile methodologies, Scrum, Mockito, JUnit 5, TCP / IP Network Programming, Maven, Wildfly, MySQL, Git.

Software Development Engineer

MiWare S.r.l.

(Jul 2015 – Apr 2016)

Aprilia, Latina, Italy

Design and development of software systems for industrial automation.

During this experience I also worked as a consultant for Cesare Fiorucci S.p.A. located in Pomezia, Rome.

Projects:

- **MiWarehouse:** Industrial warehouse management system, which helps to keep track of the locations of the lots within the warehouse; the system consists of a Server and a mobile Client.

Languages

Italian: Native

English: Upper Intermediate

German: Beginner

Certifications

PSM I: Professional Scrum
Master I

Scrum.org

P.E.T.: Preliminary English
Test

Cambridge Assessment English

Soft Skills

Good Communication

Adaptability

Problem Solving

Team Work

Target-Oriented

Time Management

Commitment

Diplomacy

- **intraMWS**: Web application designed to perform the internal management function of the company, used to keep track of sales, invoices, commercial proposals.
- **FineLinea**: Command and Control System for automatic food production lines. The software solution interfaces with PLC, Bizerba printers and carton packer.

Positions / Covered Figures:

- Software Analysis and Design
- Design of Software Interfaces
- Software documentation
- Back-End Software Developer
- Standalone Software Developer
- Mobile Application Developer

Main Technologies, tools and frameworks used:

VB .NET, Visual Studio 2015 CE, TCP/IP Network Programming, Microsoft SQL Server 2012, SQL, Android SDK 23, Android Studio, GIT, PHP 5.6, MySQL 5.7, HTML5, CSS3, Javascript, Apache XAMPP.

Education

Bachelor Degree, Engineering in
Computer Science

Sapienza Università di Roma
(Oct 2013 – Oct 2017)

Rome, Italy

Analysis, planning and management of IT hardware/software systems and different types of applications (for instance, business IT systems, automated services systems, systems and applications based on Internet and World Wide Web, data analysis systems, network facilities) in different areas of services and production.

Mark:

98/110

Volunteering

Donor

AVIS: Associazione Volontari Italiani del Sangue

Hobbies

Playing the Guitar

Listen to Music

Chess

Muay Thai

Mountain Bike

Projects

Dietisy

Personal project

(Mar 2019 – Aug 2019)

Android Application built for people who want to track their diet progresses.

Dietisy is an application that allows you to constantly monitor your diet progress by monitoring your weight, body measurements and height.

Based on this data, it is then able to give feedback on your lifestyle and highlight your current state of health.

Includes:

- BMI calculation
- Fat mass calculation
- Waist-Height Ratio Calculation
- Body measurements charts (waist, neck, hips)
- Weight Charts
- Diary

Link:

<https://play.google.com/store/apps/details?id=com.andreacoluzzi.dietisy>

BandTogether

Bachelor Degree Thesis project

(May 2017 – Jul 2017)

Web Application implemented using the framework Ruby On Rails.

Social Media that helps Musicians to find other people to build a Band and to manage events

Link:

https://github.com/coluzziandrea/Band_Together