



Alessandro Trinca Tornidor

Fullstack Developer and DevOps



Sondrio, Italy

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About Me

I work as DevOps, FullStack Developer, Linux SysAdmin. I certified myself as PSPO with scrum.org.

I'm self-starter and hard-worker. I've got good customer service attitude, interpersonal skills and proven ability in coaching and mentoring. I love facing challenging situations.

I always try to deliver great results even working under pressure and often I succeed.

I've skills about GIS, remote sensing, photogrammetry, mathematic morphology, image analysis and computer vision.

Author of

- [twentyoneseconds](#)
- [SamGIS](#)
- [AI Pronunciation Trainer \(fork\)](#)

I enjoy learning and experimenting as well as working and living in [Valtellina!](#)

Functional summary

IT SKILLS

- Python 2.7.x, 3.x: standard library, numpy, pandas, scipy, notebook jupyter, basic knowledge of Django, FastApi, Flask, Gradio.
- JavaScript: some knowledge of ECMAScript 6, Vue.js 3.x, Pinia 2.x, vite 6.x, realization of webmaps with leafletjs, some knowledge of vanilla css and Tailwind css.
- AWS lambda: some knowledge of python and nodejs lambda, also based on docker images.
- End to end testing: playwright.
- Load testing: k6.
- shell scripting: Bash, Zsh.
- Markup languages: LaTeX, Markdown.
- Mathematical morphology, image statistical analysis.
- Server OS: RedHat 6.x, Ubuntu LTS (all LTS versions from 16.04 to 24.04).
- WebServer: Apache 2.4, Nginx 1.x.
- Querying on SQL databases (Oracle 10 – 11, MySQL 5.7 - 8.0).
- CRUD operations on NoSQL (MongoDB 4.x – 5.x - 6.x - 7.x).

SELF-LEARNING (STILL ONGOING)

- machine learning (Keras 2.x, Tensorflow 2.x, PyTorch 2.x, Detectron2 0.6, Segment Anything, transformers).
- Data Scientist ([Google Advanced Data Analytics Certificate.](#))

Experience

- since 2016 **DevOps, JavaScript / Python Developer** @TeamSystem S.p.A., @mondora
Software developer at Teamsystem. Right now I work on **nuxie** (catalog management and order acquisition software for companies operating in the fashion market).
- 2012 – 2015 **Application Linux SysAdmin** @reply s.p.a., @F2 Informatica srl
Operations Team member in charge of installing, maintaining, configuring and tuning frontend and backend services for various websites and streaming services, both on SKY Italia's internal infrastructure and AWS cloud services:
- [sky.it](https://www.sky.it)
 - [skygo.sky.it](https://www.skygo.sky.it)
 - [skyonline.it](https://www.skyonline.it) that today it's [nowtv.it](https://www.nowtv.it)
 - [xfactor.sky.it](https://www.xfactor.sky.it)
 - [masterchef.sky.it](https://www.masterchef.sky.it)
- Production and development system administration (office and on-call work), support for developers.

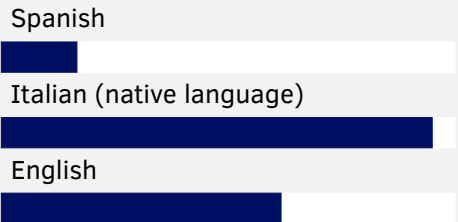
Education

- 25/02/2011 **Master of Science in Applied Geological Studies** University of Pavia
Title of dissertation: "Image Analysis on DEM to Find Volcanic Edifices (Analisi di immagine di DEM per l'individuazione di edifici vulcanici)".
Quantitative geomorphic analysis (Mathematical Morphology) with Matlab and various GIS programs on Digital Elevation Models (DEM).
- 26/10/2006 **Bachelor in Geology and Natural Resources** University of Pavia
Title of dissertation: "Laser scanner in geology (Il laser scanner in geologia)".
Landmass monitoring with a 3D laser scanner system (Riegl LMS-Z420i).



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Languages



Scale: 0 (basic skills) – 6 (expert).

Other Education and certifications

11/2022	Professional Scrum Product Owner™ I Certification	scrum.org
12/2015	Introduction to Computational Thinking and Data Science (Massachusetts Institute of Technology) -	MITx edx.org
11/2015	Introd. to Computer Science and Programming Using Python (Massachusetts Institute of Technology) -	MITx edx.org

Personal Projects

- [twentyoneseconds](#) - the \LaTeX template I'm using in this CV ([repository github](#))
- [SamGIS](#) ([HuggingFace demo](#)) - a web app dedicated to performing machine learning image segmentation on geospatial data even without the use of dedicated hw (i.e. GPU). I recently added the ability to start from [natural language text prompts](#). In case of interest, try it out locally or ask me for a demo.
- [AI Pronunciation Trainer](#) - a webapp designed to improve your pronunciation using artificial intelligence. It evaluates your speech and provides feedback, enabling you to speak more clearly and be better understood.

Personal Interests

Hi-tech news, watching scientific documentaries, reading science fiction and adventure books, sports (soccer and volleyball), mountain trekking, travel. I also like drawing, photography, cooking and practicing tai-chi.