









## Alessandro Trinca Tornidor Fullstack Developer and DevOps

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### About Me

I work as DevOps and FullStack Developer, Linux SysAdmin. I certified myself as PSPO with [scrum.org](http://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](#)

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.
- JavaScript: some knowledge of ECMAScript 6, Vue.js 3.x, Pinia 2.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 16.04 - 18.04 - 20.04 - 22.04.
- 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).
- Data Scientist ([Google Advanced Data Analytics Certificate](#).)

## Experience

- since 2016 **DevOps, JavaScript / Python Developer** @TeamSystem S.p.A., @mondora  
Software developer at mondora.com (a Teamsystem society) – supplier company of software services, first european B corp society within IT field. Projects I worked on:
- nuxie (software for catalog management and order taking system)
  - maintenance of software developed on IBM WebSphere and related CI scripts for Banca Popolare di Sondrio
- 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](#)
  - [skygo.sky.it](#)
  - [skyonline.it](#) that today it's [nowtv.it](#)
  - [xfactor.sky.it](#)
  - [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

Spanish

Italian (native language)

English

Scale: 0 (basic skills) - 6 (expert).

### Other Education and certifications

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

### Personal Projects

- [twentyoneseconds](#) - the  $\text{\LaTeX}$  template I'm using in this CV
- [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). Recently I added also is an attempt to perform machine learning image segmentation on geo-spatial data even without the use of dedicated graphics cards. I recently added the ability to start from [natural language text prompts](#). Unfortunately I have to pause my [HuggingFace demo](#) due to GPU cost, but I am requesting the use of a free GPU from HuggingFace. Please feel free to reach out to me on [LinkedIn](#) for a live demonstration, ask for more information or further clarifications.

### Personal Interests

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