Denys   Vitali

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🎂 September 29, 1996   🇨🇭 Swiss Citizen

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INTRODUCTION

I am a competent IT professional and perfectionist who likes to work with Open Source technologies. I love to solve problems with my expertise and know-how, always putting the maximum effort in what I do. I am always open to learning new things to improve my skill-set.

I currently live in Zurich, Switzerland and I'm still learning German - I recently moved here to improve my IT expertise and language speaking capabilities.

EXPERIENCE

Sep 2019 - Today

DevOps / Backend Engineer

🏢 Nanos   📍 Zürich, Switzerland

Created the infrastructure from scratch for the upcoming product and created a CI/CD using Kubernetes, Spinnaker, Jenkins, Traefik, Grafana, Prometheus, OpsGenie with some services on Google Cloud Platform. Created and managed some Kubernetes cluster using k3s / k3os and managed Kubernetes services.

Jul 2018 - Dec 2018

Software Engineer

🏢 Syndeck   📍 Savosa, Switzerland

Developed a bluetooth gateway application (in Go) that handles the communication with various medical devices. Analyzed and implemented various protocols, first in Python, then in Go. Contributed to the Node.JS / TypeScript codebase and implemented the types for the communication between the platforms with Protobuf.

Nov 2014 - Oct 2017

Head of IT Department / Co-Founder

🏢 Coelis   📍 Lugano, Switzerland

Started a startup at the age of 18, with the goal of providing engineering solutions to our clients problems.
Project development, server management, website development, logo design, corporate identity creation, infrastructure setup (Git, Jenkins, ownCloud, Docker, Postfix, Dovecot, nginx), CA management, customer support.

Nov 2015 - Aug 2016	**Civil Service - Administrative help**	
	🏢 Fondazione Opera Charitas 📍 Lugano, Switzerland	
	Administrative work, DocuWare document storing, IT Support, Software Development.	

Feb 2011 - Feb 2015	**Web Developer**
	🏢 TRUE FLAVA 📍 Turin, Italy (Remote)
	Collaboration and code review during the development of websites for many famous artists (Guè Pequeno, Two Fingerz, Danti, Fedez, J-Ax) and italian firms (Zelig, Newtopia, Best Sound, RockTV / HipHopTV). Server management.

Nov 2012 - Feb 2014	**Web Developer**
	🏢 PhoneLocator Pro 📍 Remote
	Development of the web version of PhoneLocator Pro, an Android app that was used to track the device's location.

Dec 2012 - Nov 2013	**Editor**
	🏢 Qlip Magazine 📍 Bellinzona, Switzerland
	Tech related articles, Local events

Personal

Jun 2015 - Sep 2015	**Private - Information Technology**
	🏢 Swiss Army 📍 Frauenfeld, Switzerland
	Mandatory Military Service

May 2014 - Dec 2015	**Member**
	🏢 Associazione Aurora Music 📍 Lugano, Switzerland
	Web development, provided help to build the "Love Mobile" for the Zurich's Street Parade

Education

2016 - 2019	**Bachelor of Science in Computer Engineering**
	🎓 University Of Applied Sciences of Southern Switzerland (SUPSI) 📍 Manno, Switzerland
	Thesis: DUPLEX Production Management

2011 - 2015	**FCP as Multimedia Electronics Technician and FVB**
	🎓 Scuola Arti e Mestieri Trevano 📍 Trevano, Switzerland
	Federal Certificate of Proficency (FCP) Federal Vocational Baccalaureate (FVB)

PROJECTS

Aug 2017 - Today

Linux on Pixel C

📁 Project on GitHub,   🐧

With this ongoing project, we're offering a solution to replace Android and use any GNU/Linux distro on the Google Pixel C, a tablet made by Google powerd by an NVIDIA Tegra X1 SoC. This project also helped / received help from the Reswitched Team for the Green bars issue which subsequently allowed to some users to push the required patches upstream and expand the project to other devices / other projects.

Jul 2018 - Today

DMS.rs

📁 Project on GitHub,   🦀 🐘 HTML5 CSS3 JS

A Document Management System, written in Rust. This tools allows its users to upload some PDFs of previously scanned documents, run an OCR and save the resulting text in a DB for further indexing. PostgreSQL was used as a backend DB.

Mar 2018 - Today

OptiTravel

📁 Project on GitHub,   ☕

A journey planner that uses *gtfs-server* and *TransitLand* to find the best route, by using public transportation services. The routing is done on the client side with the A* algorithm.
This project, developed in Java with JavaFX, was developed during the Software Engineering I course at the University of Applied Sciences of Southern Switzerland during my bachelor, with two other people.

Mar 2018 - Today

gtfs-server

📁 Project on GitHub,   🦀 🐘

General Transit Feed Specification (GTFS) REST server, which provides some GIS functionnalities provided by the PostgreSQL backend. This project was developed alongside *OptiTravel*. This project was developed entirely by myself as an addition to the *OptiTravel* project.

Dec 2017 - Today

nginx-error-pages

📁 Project on GitHub,   HTML5 CSS3

This project provides some nice-looking error pages for NGINX web server.

Mar 2016 - Today	**Sonos-Web**
	📂 Project on GitHub, HTML5 CSS3 JS
	Web Interface for the Sonos Audio System, created with the goal of having a nice looking UI to manage the playing queue, add streaming services like YouTube and Spotify, and allow other developers to customize the UX as they want by making the project expandable through the use of plugins.
May 2016 - Today	**The Best Mother*** Website**
	📂 Project on GitHub, Website HTML5 CSS3
	Satire website to joke on the fact that a website doesn't need any framework to look cool.

For more projects, please take a look at my GitHub profile.

LANGUAGES

🇮🇹 Italian   **Native**
                 IRL Level 5

🇺🇸 English   **Professional working proficiency / Full professional proficiency**
                 IRL Levels 3 / 4

🇩🇪 German   **Limited working proficiency**
                 IRL Level 2

🇫🇷 French   **Limited working proficiency**
                 IRL Level 2

DRIVING LICENSES

- 🏍 **A**
- 🚗 **B**