**Europass
Curriculum Vitae**

Personal information

First name / Surname	Federico Torresan
Address	Via San Pio X, 13/A, 31020, Villorba (Treviso), Italy
Mobile:	+39 328 2813930
E-mail	fede.torre@gmail.com
Nationality	Italian
Date of birth	15/06/1986
Gender	Male

Skype: fede.torre

GitHub: fedetorre

Work experience

Dates	Jenuary 2021 - present
Occupation or position held	Head of Research and Development – Selfcommunity
Main activities and responsibilities	Architectural design of future development scenarios of the SelfCommunity platform. Planning the work of other team members. Interfacing with external customers for the development of platform integrations and customisations. Planning and implementation of new features that will extend the SelfCommunity platform on frontend (typescript, React.js, Next.js) and backend (python, django, nest.js). Planning the evolution of the platform towards a microservices paradigm, introducing the JAMSTACK approach and implementing a set of libraries to facilitate its adoption. In the last months I am involved in the migration of our SaaS infrastructure from Docker Swarm (Rancher) to Kubernetes developing the layer that will be used by the end users to automate the deployments of the service.
Name and address of employer	SelfCommunity - Quentral srl - Remote
Type of business or sector	Information Technology

Dates	February 2017 - December 2020
Type of business or sector	Information Technology
Occupation or position held	Senior software engineer and solution architect
Main activities and responsibilities	The aim of SelfCommunity project is to create software that allows users to manage, deploy and customize a personal version of a social network. Design and development of the automatic deployment and instance management for the SelfCommunity platform using the following technologies: Django framework, Django Rest Framework, Celery, RabbitMQ, Elasticsearch, React.js, Docker and Rancher (with its API), Stripe for payments and fattureincloud for billing. The infrastructure is on AWS using Spotinst for costs optimization. Design and development of the automatic scaling process for the whole infrastructure using Prometheus and Alermanager for processing data retrieved from rancher. We use some go scripts for fetching data

from rancher and insert into Prometheus. With go I've also developed a procedure for automatic cleanup of unused containers in stopped stacks.

Design and development of a new realtime push notification system for the "Community" platform using Redis as database and websocket for synchronous communication between client and server.

Design and development of the interesting feed for the community based on user interests and its interactions in the community using Elasticsearch, Django and Javascript / jQuery.

Design and development of the wordpress website.

In this project I've also contribute to the development of some open source libraries that are available on my github (fedetorre).

Name and address of employer	SelfCommunity - Quentral srl - Remote
Dates	Freelance - 2018
Type of business or sector	Information Technology
Occupation or position held	Php and Javascript developer
Main activities and responsibilities	Development of a personal management platform using vue.js and laravel framework.
Name and address of employer	Fabvla s.r.l. Treviso
Dates	Freelance - 2016/2017
Type of business or sector	Information Technology
Occupation or position held	Java developer
Main activities and responsibilities	Development of projects using Liferay platoform.
Name and address of employer	Mapostudio s.r.l., Mestre Venezia
Dates	October 2015 – February 2017
Type of business or sector	Information Technology
Occupation or position held	Senior software engineer and solution architect
Main activities and responsibilities	Design and development of the Quaggers project (www.quaggers.com) using python with Django framework, Django Rest Framework, RabbitMQ, Elasticsearch. Discovering and optimization of critical issues involving the performance and scalability of the project. Creation of the backend API for the interaction with the mobile native app (Quaggers).
Name and address of employer	Quag – Quentral srl
Dates	September 2012 - January 2020
Type of business or sector	Information Technology
Occupation or position held	Senior software engineer and solution architect
Main activities and responsibilities	Design and implementation of the core application of Quag (www.quag.com) using python con Django framework, RabbitMQ, jQuery, css3, html5, Twitter Bootstrap ed Elasticsearch. Discovering and optimization of critical issues involving the performance and scalability of the project. Active contribution during the design process of the user interface. In the last months I started a research and development activity with the purpose of identifying new technologies and application patterns for the new projects of Quentral.
Name and address of employer	Quag – Quentral srl
Dates	Freelance - 2012
Type of business or sector	Information Technology
Occupation or position held	Php developer
Main activities and responsibilities	Participation in projects such as: creating admin interface for multimedia tables, creating components for the institutional website of Capace Italia
Name and address of employer	Fabvla snc
Dates	May 2009 – September 2012

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Type of business or sector	Information Technology
Occupation or position held	Python / Javascript / Php / NodeJS developer
Main activities and responsibilities	Design and development of frontend and mobile application web-based using Symfony Php framework, NodeJs, jQuery and jQuery Mobile Design and development of Firefox Addons Design and development of Chrome Extensions Design and development of Python / Django applications Facebook Graph API and Twitter API for social integration on company website
Name and address of employer	Volunia Italia srl
Dates	September 2008 - April 2009
Occupation or position held	Trainee
Type of business or sector	Information Technology
Main activities and responsibilities	Development of components for WCM, maintenance of frontend (developed with J2EE) platform and documentary projects such as Caleffi and Finmeccanica, developing applications using Documentum DFC library to carry out specific operations without the use of the interface WCM
Name and address of employer	Value Team S.p.A
Dates	October 2007 - June 2008
Occupation or position held	Telecommunication Teacher
Main activities and responsibilities	Definition of curriculum and teaching
Name and address of employer	"Paideia" Institute (TV)
Type of business or sector	Private Institute of Higher Education

Education and training

Dates	October 2005 - December 2008
Title of qualification awarded	Bachelors Degree in Computer Science
Principal subjects/occupational skills covered	C + +, Java, MySQL, XML, HTML and CSS, ML, Python, graphics libraries (OpenGL) development platform. NET, PHP, JSP, XSLT, XQuery. Knowledge of UML modeling language and some tools (BOUML, Visual Paradigm) for the preparation of diagrams
Name and type of organisation providing education and training	University of Padua
Level in national or international classification	110 / 110 with Honours
Dates	October 2007 - March 2008
Name and address of employer	Soluzioni Software (Padua)
Principal subjects/occupational skills covered	Design and development of GAWS (Automatic Generation of Web Service) using .NET framework
Name and type of organisation providing education and training	University of Padua
Dates	September 2000 - July 2005
Title of qualification awarded	Diploma in Electronic and Telecommunications
Name and type of organisation providing education and training	I.T.I.S. Max Planck (Lancenigo, TV)

Level in national or international classification	100 / 100

Personal skills and competences

Other language(s) **English**

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B1

(*) Common European Framework of Reference for Languages

Social skills and competences

Social competences acquired through sport (football) and through scout activities (since 1995).
Capability to adapt to different group dynamics. Experience with working in teams, gained through my work and academic experience.

Organisational skills and competences

For three years, during my scout activity, I had the responsibility of a group composed by 20 childrens and 4 adults and I had to coordinate the group of adults to prepare the weekly activities for the childrens. Now I help the CTO at quentral srl during the task planning and time estimation process for the various activities.

Technical skills and competences

Operative Systems: Unix/Linux, Mac OS, Microsoft Windows
Development Platoforms: Elcipse, Netbeans, IntelliJ Idea, PhpStorm, WebStorm, PyCharm, Docker
Cms: Contao, Wordpress, DatoCMS, Strapi
Databases: Mysql, Postgres, Redis, MariaDB
Programming Languages: C, C++, Java, Php, Javascript, Javascript ES6, JSP, Python
Markup Languages: HTML, HTML5, CSS, CSS3, XML, XSLT
Other Frameworks: Elasticsearch, RabbitMQ, Memcached, Symfony Framework 1.x, Zend Framework, Django Framework, Celery Framework, Jinja2 templating language, Tornado Web Server, NodeJS platform, backbone.js, jQuery, jQuery Mobile, OpenLayers library for map visualization, Twitter Bootstrap, Facebook Graph API, Twitter API, Firefox addon, Chrome extension, Polymer, React.js, Vue.js, Laravel, Google Script, Nest.js, Next.js.
DevOps: Basic knowledge of Rancher (version 1.6), Kubernetes, Helm Charts and ArgoCD.

Other interests

I am a Qi Gong teacher and Shiatsu - Shin Tai therapist, interested in meditation and eastern culture.

Driving licence B

I authorize the processing of my personal data pursuant to Legislative Decree 30 June 2003, n. 196 "Code concerning the protection of personal data."

Signature