

# Francesco de Virgilio ~

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MOBILE

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WEBSITE/BLOG

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GITHUB

github.com/fradeve

## OBJECTIVE

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I am passionate about maps and technology, with a deep knowledge of Open Source GIS development tools. In the last years I have gained extensive experience in GIS driven web application developing. I have also been deeply involved in the OpenStreetMap and Ubuntu projects both as active user and as developer for business, community and personal projects since 2007. My current goal is to further advance my analytical skills in GIS, while also gaining further experience in web developing and user experience.

## WORK EXPERIENCE

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JUN 2011 OCT 2012	<p>OPEN IDEAS FOR ARCHAEOLOGY, Bari, Italy – Founder, IT consultant, GIS developer <i>Science and open source technologies for cultural heritage management</i></p> <ul style="list-style-type: none"><li>• developed systems for georeferenced archaeological data management based on Debian GNU/Linux, Django, Python, GRASS GIS, PostGIS, Ark</li><li>• written a python extraction engine to export documentation in L<sup>A</sup>T<sub>E</sub>X format</li><li>• 3D technologies consultant during a campaign for archaeological objects reproduction, using MeshLab and laser-scanning techniques</li><li>• GNU/Linux system administrator and web developer (Wordpress)</li></ul>
GEN 2010 JUN 2011	<p>PRAESIDIUM S.P.A., Milan, Italy – IT merchandiser <i>IT selling and business consultancy</i></p> <ul style="list-style-type: none"><li>• hardware/software solutions salesman in many consumer electronic dealers in Apulia</li><li>• selling consultant and in-store trainer for Nokia Maps, HP, Nokia Mobile Computing selling campaigns</li><li>• trained on online services selling and last-generation map, multimedia/office applications on mobile device</li></ul>
AUG 2009 OCT 2009	<p>CATTEDRA DI ARCHEOLOGIA MEDIEVALE, University of Bari, Italy – GIS consultant</p> <ul style="list-style-type: none"><li>• structured and launched GIS to manage and catalogue documents and geodata from Siponto excavation site</li><li>• implemented open source platform based on Ubuntu Linux, GRASS GIS, Python</li><li>• written an operative manual in L<sup>A</sup>T<sub>E</sub>X, "GRASS GIS for archaeologists", released in copyleft under GPL license</li></ul>
JUN 2009	<p>FILAS S.P.A., Rome, Italy – GIS consultant <i>Public sector financing institute devoted to innovation, new technologies and net economy</i></p> <ul style="list-style-type: none"><li>• analyzed geographic open source technologies for a touristic-purposed digital bus</li><li>• brainstormed guidelines for mobile geographic applications</li><li>• designed a <i>social mapping</i> open source GIS solution based on OpenStreetMap software stack for Rome cultural heritage sites</li></ul>

## EDUCATION

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5–6 May 2010 attachment n° 6	<p>UNIVERSITY OF FOGGIA, SCIENTIFIC COMMITTEE ARCHEOFOSS 2010 AND ISTI–CNR (PISA, ITALY) Practical workshop on "Managing of 3D meshes applied to Cultural Heritage"</p> <p>Tutorial on MeshLab techniques, open source software to manipulate laser-scanner meshes, with particular focus on archaeological handworks.</p>
June 2009 attachment n° 5	<p>ITC–CNR (<i>National Research Center</i>), STRADA CROCIFISSO 2/B, 70126, BARI. EU founded professional course "Low cost software &amp; cultural heritage"</p> <p>Field survey, organization and managing of cultural heritage geodata using open source GIS and webGIS software; realization of virtual tours; projecting and realization of a web-based touristic system for Casamassima (Bari, Italy) municipality.</p>

Feb–Mar 2009		UNIVERSITY OF BARI, CATTEDRA DI ARCHEOLOGIA MEDIEVALE (ITALY)
attachment n° 3		Workshop on graphic documentation
		Practical course on archaeological excavation cartography and survey using CAD software, applied to Siponto (FG) geographic data; managed, cleaned and georeferenced data from paper relief survey.
08–19 Sept 06–17 Oct 2008	28 Sept–16 Oct 2009	UNIVERSITY OF BARI, CATTEDRA DI ARCHEOLOGIA MEDIEVALE (ITALY)
attachment n° 2	attachment n° 4	Archaeological excavation stage in the archaeological site of Siponto (Manfredonia–FG)
		Organization of the survey activity, cleaning, cataloging and analysis of archaeological objects.

## LANGUAGES

ITALIAN: native | ENGLISH: proficient

## PERSONAL SKILLS

I successfully combined my studies with work and other commitments showing myself to be **self-motivated, well organised, dynamic, flexible** and capable of **achieving good results under pressure**. I have a clear, logical mind with a **practical and geek approach** to problem solving and a drive to see things through to completion. I have an **infectious enthusiasm** for my work and technology.

## COMPUTER SKILLS

LANGUAGES	JavaScript, JQuery, Python, XML, HTML, SQL, L <sup>A</sup> T <sub>E</sub> X
FRAMEWORKS	(geo)Django, Wordpress, Twitter Bootstrap, MediaWiki, Ikiwiki, Joomla, MoinMoin, Hyde
GIS	QuantumGIS, GRASS GIS, MySQL, PostgreSQL, CAD, SHP files structure, MapServer, GeoServer, OpenLayers; most OpenStreetMap related software and tools (JOSM, Osmosis, XAPI, OSM file format)
SOFTWARE, CONCEPTS	DNS, Lighttpd, VirtualBox, IPtables, LibreOffice, Inkscape, GIT, MeshLab, GPG/PGP, geographical projections, programming patterns, web developing, operating systems architecture, security, cryptography, file systems, firewall
GNU/LINUX	Debian, Ubuntu desktop/server, CentOS, system architecture, installation and package management, common Unix commands, Shell and command lines, devices, Linux filesystem, administrative tasks, security and networking fundamentals, Debian package building; deep knowledge and active contributing to the Ubuntu project and tools

## PUBLISHED CONFERENCE CONTRIBUTIONS

2010	de Virgilio, F. <i>Mobile GIS Open Source in Archeologia</i> [abstract] In: ARCHEOFOSS 2010 - Open Source, Free Software and Open Format in Archaeology Research Processes, May 5–6, Foggia, Italy. Bari: Edipuglia s.r.l; 2011. p. 513.
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## HONORS AND AWARDS

2010	Bollenti Spiriti — Principi Attivi assigned by Apulia Region; the project “Open Siponto — New instruments for the land knowledge”, using open source software to manage cultural heritage wins €25,000 Apulia Region funding for 2011.	Puglia Innovation Contest assigned by Apulia Region; the project “New methodologies for Cultural Heritage Management”, wins €1,000 funding, in section “Creativity industry, innovation for cultural heritage, tourism, instruction, communication”.
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## PUBLIC SPEECHS (click for slides)

25 Nov 2011	OSM e GFOSS: geodati e software liberi in archeologia GFOSSDay 2011 University of Foggia
CONF 14 Oct 2011	GRASS GIS per l'archeologia: un manuale collaborativo “GNewARCHAEOLOGY: FREE/LIBRE SOFTWARE, OPEN DATA AND OPEN KNOWLEDGE IN ARCHAEOLOGY” University of Ferrara
CONF 28 Nov 2009	OpenStreetMap: una mappa libera per il turismo “LE NUOVE TECNOLOGIE APPLICATE ALLA TUTELA E VALORIZZAZIONE DEI BENI CULTURALI” Archeoclub d'Italia, (BA, Italy)
24 Oct 2009	Cartografia e GIS Open Source: da OpenStreetMap a GeoBase LINUXDAY 2009 (POTENZA, ITALY)
06 Jun 2009	OpenStreetMap e archeologia: l'esperienza di Pompei ANNUAL MEETING OF THE ITALIAN OPENSTREETMAP COMMUNITY Fondazione Bruno Kessler (Povo–Trento, TN, Italy)
02 May 2009	OpenStreetMap: cartografia in wiki per rilanciare il turismo BARCAMP “MATERACAMP 2009” (MATERA, ITALY)
25 Oct 2008	OpenStreetMap: una mappa libera per il nostro Pianeta LINUXDAY 2008 (BARI, ITALY)