

ANDREA LIBERATI - Curriculum Vitae - 2020-04-23

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I'm a system administrator, an IT project manager and a back end system developer.

Using language as **Php**, **Perl** **nodeJS**, and ***nix bash** commands, I build **L(A/E)MP systems** in accordance with the needs of my interlocutors.

I began to work with **Linux** systems in 1999 and after graduating in "Economics and Business Administration" in 2001 at the University of Perugia, I used my experience to enhance the company information flows efficiently and effectively.

Working as freelance, I'm able to operate in several situations and environments: administration offices, call centers, supermarkets, web farms, carriers for communications technology, credit brokerage agencies, trading agencies, ...

I worked alone or as member of teams (in several situations as team leader).

Skills Summary

Operating System	Linux is favourite, but I've worked on all most common OS.
Frameworks	Php: Laravel, CodeIgniter, Zend2 JavaScript: jQuery, React
Web / Application Servers	Web servers: Apache, Nginx. Mail servers: Postfix, Cyrus, Sendmail, Qmail. XMPP servers: Openfire. FTP servers: Vsftp, Proftp NFS servers: Samba.
XML / HTML	HTML5, CSS3, XML
Scripting Languages	Php , Perl , Javascript , Node.js , bash scripting languages.
Database & Tools	MySQL , PostgreSQL, Redis, MongoDB
Voice over IP applications	Asterisk, Hylafax, Openfire
Content Management Systems	Drupal, Joomla, WP
External APIs	Google, Facebook, Linkedin, Twitter (several SMS gateways), Apple inAppPay, Stripe, Xero

Career History

Company: Attitude Technologies Ltd Cork - Ireland	Dates
Position: Employee Roles: System Administrator - BackEnd Dev Skills: LEMP - Nodejs - Perl - Linux Bash Script	Jan. 2017 - Apr.2020

- System development.
 - System Architecture Design
 - Design and installation of the server with the following features:
 - Load balancing (Layer 4)
 - Session caching and managing
 - Storing database
 - Core API system
 - Stream data
 - Client-server data exchange
 - Sockets handling
- Project for the GPS tracking
 - Web service for the incoming GPS data
 - Security issues
 - Stream CRC16
 - Handling data
 - Interacting with the main service through the APIs
 - Stream command to GPS devices
 - Web service for the clients access
 - Security issues
 - Concurring calls
 - Interacting with the main service with the APIs
 - Sessions handling
 - API System
 - User management:
 - Login / Sign-up
 - Direct:
 - email
 - SMS
 - Social access:
 - Facebook
 - twitter
 - LinkedIn
 - google
 - Long term session management
 - API token management
 - Editing features
 - Interaction with other users
 - Payment platform
 - Subscription management
 - Interaction with external APIs services:
 - Stripe (for payment)
 - Apple inApp (for payment)
 - Xero (for invoicing and accounting)
 - GPS device management
 - Adding, editing features and deleting device from the system
 - Geolocation calculating
 - Route recording

- Metadata recording
- Stats management
- Geofences
 - Alert system through direct message or cloud notifications (google/firebase - apple Apis)
 - Commands to GPS devices
- Systems used:
 - Provider: AWS
 - O.S.: CentOS7
 - Web Servers: Nginx 1.12.x
 - Apps Languages & framework:
 - Nodejs: last update 12.0.0
 - Socket.io 2.0
 - Laravel 5.6
 - Php 7.2
 - Databases:
 - Mysql 5.7
 - Redis (session management) 3.2.12
- Company public website (WordPress used).
 - Some custom plug-in for the website.

Company: WebMicro di Mauro Profili Narni (Terni) - Italy	Dates
Position: External consultant - freelance Roles: BackEnd Php Dev Skills: Php - Mysql - XML	Sep. - Oct. 2016

- BackEnd Php project.
- API Link between the website “www.immobiliarefiorentini.it” (Real Estate Agency) and FIAIP (Federation of Italian Real Estate Agencies) central Data Base.
- XML through http protocol in background process.
- Synchronization of the local Databases with the central one.

Company: WebMicro di Mauro Profili Narni (Terni) - Italy	Dates
Position: External consultant - freelance Roles: BackEnd Php Dev Skills: Php (Joomla) - Mysql	Dec. 2015 - Jan. 2016

- BackEnd Php project.
- Restructuring of “Cronache 24 Web Newspaper” website (www.cronache24.it).
 - Rewriting of the scripts for customized migration to the newest version of the used CMS (Joomla).
 - Development of the automatic backup system.

Company: Fondazione Aiutiamoli a Vivere N.G.O. Terni - Italy	Dates
Position: External consultant - freelance Roles: System Designer - BackEnd Php Dev Skills: LAMP - Perl - Linux Bash Script - Asterisk	May - Sep. 2015

- BackEnd LAMP-VoIP project.
- System project for the website “www.aiutiamoliavivere.it” (Italian N.G.O.) on LAMP environment.
- Development of the structure of the local Server.
 - Installation and configuration of the firewalls (two level of routing and blocking), security logs and automated banning procedures.
 - Installation and configuration of the LAMP environment.
 - Installation and configuration of the Voice over IP Applications (Asterisk - Hylafax).
 - Development of the IVR platform for the donations.
- Back Office System for the donations.
 - Back Office website for the receptionists of the Foundation to register the donations.
 - Link to the bank web services for the donations.
 - Installation and configuration of Web Certificates and Keys.
 - PayPal REST and Legacy API.
 - Banca Sella (Sella Bank) GestPay webservices.
 - Automated procedures for recurring donations.

Company: NetLogos.it Srl Terni - Italy	Dates
Position: External consultant - freelance Roles: BackEnd Php Dev Skills: Php (Drupal) - Mysql - XML - VPN	Mar. - Ago. 2015

- BackEnd Php project.
- Website for the Chamber of Commerce of Turin (www.to.camcom.it/).
 - Scripts for customized user's registration under Drupal.
 - Data registration, update and synchronization between the registered users' informations and the main database of the Italian Registry of Companies.
 - XML through http protocol under VPN (L2PT/IP sec) technologies.

Company: Chiesa di S. Giuseppe Lavoratore Terni Terni - Italy	Dates
Position: External consultant - freelance Roles: Webmaster Skills: LAMP	Oct. 2013 - Mar. 2015

- Webmaster of the project www.sangiuseppelavoratoreterni.it.
- Php BackEnd development of the entire website.
 - Proprietary scripts (LAMP - JS) for the website CMS.
 - Used Codebirds API for the Twitter's account management.
 - Used Facebook API for the Facebook's page management.
 - Used Google API for the Google's environment applications.
 - XML through http protocol technologies.

Company: MediaBusiness Service Srl Narni (Terni) - Italy	Dates
Position: Associate - CEO Roles: Administration - Marketing	Feb. 2009 - Ago. 2016

- CEO
 - Accounting management.
 - Management of the relationships with customers and suppliers.
 - Management of the relationships with the sales agents.
- Marketing consulting and sales agency

- Main portfolio:
 - Granz Srl - San Donà di Piave - Venice - Italy,
 - Cibin Engineering Srl - San Donà di Piave - Venice - Italy,
 - ERD Italia Srl - Magione - Perugia - Italy,
 - ERD Technologies Spa - Magione - Perugia - Italy,
 - Sogeco Group Spa - Narni - Terni - Italy,
 - Co.Re.In Srl - Stroncone - Terni - Italy,
 - Cantine Bellucci - Perugia - Italy,
 - Vitivinicola "Il Poggio" - Castiglione del Lago - Perugia - Italy,
 - Azienda Agricola Pinzi Pinzuti - Montepulciano - Siena - Italy,
 - Azienda Agricola Napolini - Montefalco - Perugia - Italy.

Company: WebMicro di Mauro Profili Narni (Terni) - Italy	Dates
Position: External consultant - freelance Roles: System Administrator - BackEnd Dev Skills: LAMP - XML	Oct. - Dec. 2007

- Backend LAMP project.
- WebMicro's domain registration system platform.
 - Italian NIC: XML through http protocol (SOAP)
 - SrsPlus: Post Data through encrypted http protocol

Company: Andrea Liberati Narni (Terni) - Italy	Dates
Position: Sole proprietorship Roles: Administration - Financial	Sep. 2007 - Ago. 2016

- Financial & IT consulting
 - Financial consulting
 - Credit broker (Bank of Italy licence no. 21124/2003) for several agencies with the following brands:
 - Unicredit bank,
 - Ktesios Spa,
 - Finumbra,
 - Barclays bank,
 - Unipol bank,
 - Artigiancassa - BNP PariBa,
 - BNL - BNP PariBa,
 - Banca Intesa,
 - Fineco.
 - IT consulting.
 - Main projects are summarized above.
 - Main Portfolio:
 - WebMicro di Mauro Profili - Narni - Italy
 - NetLogos Srl - Terni - Italy
 - Church of S. Giuseppe Lavoratore - Terni - Italy
 - "Aiutiamoli a Vivere" NGO Foundation - Terni - Italy

Company: 2012 Srl Narni (Terni) - Italy	Dates
Position: Associate - CEO Roles: Administrator - Project Manager Skills: LAMP - Asterisk - API	Oct. 2005 - Jun. 2007

- CEO
 - Accounting management
 - IT Projects management
 - Management of the Relationships with customers and suppliers.
- Main Projects
 - Voice over IP:
 - Design, project, development and management of VoIP platforms for delivery of telephone services and control of accounting flows for the "Telecom Italia" premium value telephone numbers.
 - Content Web Sites.
 - System administration for web sites in servers located in Lucano - Switzerland.
 - Streaming platform.
 - Projects developed with Red5.

Company: InvestingWeb Srl Narni (Terni) - Italy	Dates
Position: CEO Roles: Administrator	Apr. 2006 - Jun. 2006

- CEO
 - Management and start up of the company's projects about investment on the international premium value phone numbers and the linked web services.

Company: MediaBusiness Snc di Liberati & C. Narni (Terni) - Italy	Dates
Position: Associate Roles: Administrator	May. 1999 - Feb. 2009

- Domains registrar and hosting services
 - Main portfolio:
 - Vipal Spa - Ferentillo - Terni - Italy
 - Prassi Umbria Srl - Narni - Terni - Italy
 - Vetro Umbria Srl - Acquasparta - Terni - Italy
 - Fae Spa - Sangemini - Terni - Italy
 - Confcommercio head office in Terni - Italy
 - Garofoli Group Spa - Terni - Italy
 - Termoprefabbricati di Piantoni Fabrizio - Stroncone - Terni - Italy
 - Sandro Bastioli - Spoleto - Perugia - Italy
 - Enzo Melari - Terni - Italy

Company: S.S.A. Di Lillo Cangemi Terni - Italy	Dates
Position: Call center executive director Roles: Executive director	Nov. 2002 - Nov. 2003

- Management of the call center work flows.

Company: DreamNet Srl Terni - Italy	Dates
Position: External consultant - freelance Roles: Webmaster Skills: LAMP	Oct. 2001 - Mar. 2006

- Webmaster for the website of the Sacred Convent of St. Francis in Assisi (www.sanfrancescoassisi.org).
 - Project Manager for the official communications of "DAY OF PRAYER FOR PEACE IN THE WORLD", headed by His Holiness John Paul II in January 24th 2002.

Company: Prassi Umbria Srl Narni (Terni) - Italy	Dates
Position: Teacher in ITC courses Roles: Teacher Skills: Office automation	Mar. 2001 - Nov. 2001

- Teacher in courses sponsored by European Union
 - Office Automation.
 - Relational Databases
 - Microsoft Access
 - Internet: first foundations

Company: Praxis Srl Terni - Italy	Dates
Position: Employed Roles: Administration assistant Skills: Office automation (MS Access)	Jan. 1997 - Dec. 1999

- Manager of the information and communication internal system
 - Author of the billing and accounting program for Praxis Srl.
 - Author of the program for budget analysis and statistics handling financial for API FIDI (Business credit).
 - Author of the program for API Terni's official publications storage.
 - Author of the program for the development of criteria for the "Area Contracts" with Italian Government.
- Clerk for the care of the agreements of ConfAPI - API Terni with:
 - Telecom Italia,
 - Telecom Italia Mobile,
 - Telecom Italia Net,
 - Albacom,
 - Mail Express, Private Post office.

Education ...

Course	College/Institution	Year
University Diploma in Economics and Business Management	University of Perugia Faculty of Economics	2001
High School Diploma with specialisation in teacher training	Istituto Magistrale F. Angeloni - Terni (Italy)	1995
High School Diploma (classical studies).	Liceo Ginnasio G. C. Tacito - Terni (Italy)	1991

... and Training

Course	College/Institution	Year
Licence registration No. 21124 on register of credit brokers, according to art. 16 of Law of March 7 th , 1996, no. 108.	Bank of Italy - Italian Exchange Office - Rome	2003
Diploma for the course "Legal and juridical perspective" in relation to the expertise of the internet domains names of Italian Registration Authority.	"Italian Registration Authority" - CNR (National Research Center) - Pisa	2001
Diploma for the course "Domains Names System" in relation to the expertise of the internet domains names of Italian Registration Authority.	"Italian Registration Authority" - CNR (National Research Center) - Pisa	2001

Personal Details

Health:	Excellent
Leisure Interests:	Ancient Greek and Latin literature, mountaineering. speleology.
Other:	<ul style="list-style-type: none">• 2015-2016 - Organizer of the first Ecumenical Council for the Churches of Terni.• 1999 - Participation in the Philip Morris Award for Marketing - 11th edition.• 1996 - 1999 - Coordinator of the Center Italy School of Speleology by the Italian Speleological Society (Emilia Romagna - Tuscany - Marche - Umbria - Lazio).• 1993 - 1995 - Head of the National Land Register of Artificial Cavities on behalf of the Speleological Group UTEC of Narni - commission agent for the Italian Speleological Society.• 1994 - 1998 - Founder and collaborator with the Association "Subterranea" of

	<p>Narni.</p> <ul style="list-style-type: none">• 1990 - 1995 - Member of the Alpine and Speleological Rescue CAI (Italian Alpine Club).• 1994 - Director of the course of caving first level of the Speleological School of Narni - SSI (Italian Speleological Society).• 1993 - Third level course (top level - specialization) of caving SSI (Italian Speleological Society) - Explorations foreign• 1993 - Third level course (top level - specialization) of caving CAI (Italian Alpine Club) - Physics of Materials• 1991 - Second level course of caving SSI (Italian Speleological Society).• 1989 - First level course of caving SSI (Italian Speleological Society).
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