



Personal information

Surname / Names	Spadaccini, Mariano Enrico
Address	Pescara - Italy
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Email	spadacciniweb at gmail.com
Nationality	Italian
Date of birth	30 January 1981
Gender	Male

Work experiences

Date	01/2017 – today
name of employer	TheRightChoice
main activities	Web software development and mobile application building
web stack	Web software development on MVC framework: Model: <i>MariaDB</i> and <i>ORM</i> via <i>DBIx</i> View: <i>XHTML</i> and <i>Javascript/JQuery</i> Controller: mainly in Perl (<i>Dancer2</i> , <i>Template::Toolkit</i> , etc.) other tools: <i>Memcached</i> , <i>Postfix</i> , etc.
mobile stack	Mobile apps build with Flutter framework (Dart language)
Date	06/2022 – 12/2022
name of employer	TuoTempo srl - Docplanner Group

main activities	<p>DevOps role. Main technologies:</p> <p>AWS: <i>Amazon Web Services (VPC, EC2, S3, OpsWorks, Auto Scaling, Lambda, EIP, ...)</i></p> <p>Galera Cluster: <i>MySQL Galera Cluster</i> environments</p> <p>Redis: memory caching system</p> <p>Opensearch: log monitoring system (managed via <i>curator_cli</i>)</p> <p>Terraform: management of multi-region infrastructure</p>
Date	07/2021 – 01/2022
name of employer	Esyen srl - Galileo GMS IVQ
main activities	<i>Galileo GMS IVQ</i> ¹ at <i>Fucino Space Center</i> in an international environment based on team work.
Date	01/2020 – 06/2021
name of employer	Aruba Business srl
main activities	<p>GNU/Linux system administration. Mainly:</p> <p>dedicated servers: physical or virtual in <i>VMware vSphere</i> or <i>VMware vCloud Director</i> environment, almost all with <i>Plesk/cPanel</i> panel</p> <p>hosting: <i>CloudLinux OS</i> based</p> <p>backup: different backup solutions (<i>cloud backup agent, cloud object storage, Disaster Recovery, ...</i>)</p>
Date	06/2013 – 12/2019
name of employer	ChumConsulting srl
main activities	Web software development on MVC framework and system management
other activities	Project development activities in <i>Flutter</i> to build mobile apps
system management	<p>Main services involved:</p> <p>Server web: to reply to <i>http/https</i> users' requests, in static and dynamic environment (<i>nginx</i> and <i>apache</i>)</p>
programming technologies	<p>Main technologies used:</p> <p>Model: <i>MySQL/MariaDB</i> and <i>MongoDB</i></p> <p>View: <i>XHTML</i> and <i>Javascript/JQuery</i></p> <p>Controller: mainly in Perl (packages involved: <i>Dancer/Dancer2, DBIx::Class, Template::Toolkit, Text::Xslate</i>, etc.)</p>
Date	01/2006 – 05/2013
name of employer	Soabit srl

¹Installation, Verification and Qualification team

main activities	Network and system management of the University <i>G. d'Annunzio</i> of Chieti-Pescara. My main function is to assure the proper functioning of the systems and infrastructures
technologies	<p>Main technologies:</p> <p>Firewall: GNU/Linux Bridgewall VLAN aware with IP/MAC accounting through IPFIX/NetFlow collectors ($35 \cdot 10^6 \pm 40\%$ flow records/day)</p> <p>Server Log: to centralize switches, routers and servers logs.</p> <p>Backup: <i>logical volume management</i> for email/web/databases backups with daily <i>snapshots</i>, also on tape library (by Open Source software).</p> <p>Captive Portal: for wireless lan area and some laboratories</p> <p>Antispam: <i>greylisting</i> system and <i>Distributed Checksum Clearhouse</i>.</p> <p>Monitoring: implemented through <i>ghosd</i> for notifications on work screen display, <i>sound alarm</i> (beside server farm) and <i>SMS</i> (for core routers and servers).</p> <p>IPFIX: to collect major IP flow activities</p> <p>redundant path: handled via <i>Rapid Spanning Tree Protocol</i>.</p>
Date other works	<p>01/2006 – 05/2013</p> <p>Mainly:</p> <p>Chimica Farmaceutica laboratory: activated some PCs with 4TB NFS over LVM over raid shared storage and backup system with 4TB over LVM with snapshots</p> <p>Oncology unit: collaboration to create a parsing tool (PDB and Bond data)</p> <p>DKIM: SMTP proxy with <i>DomainKeys Identified Mail</i> for a high volume MTA</p> <p>HPC: implemented a GNU/Linux cluster with 24 nodes</p>
Date name of employer main activities	<p>10/2004 – 12/2005</p> <p>PDA Communication srl</p> <p>In association with <i>CINECA</i> provided for network and server infrastructures and support for the University <i>G. d'Annunzio</i> of Chieti-Pescara under an outsourcing contract. During this period, my main activities were:</p> <p>1st level support: an activity with direct contact with user and their problems</p> <p>2nd level support: an online activity in order to resolve users problems</p> <p>Linux systemist: maintenance activity for <i>key servers</i> (Linux based)</p> <p>network systemist: maintenance and troubleshooting networking issues</p>

technologies

Main technologies:

Monitoring: to constantly check the status of the core routers and servers and, in case of failure, initiate proper action.

Firewall: three key firewalls were implemented from scratch using a combination of *bridging* and *routing* firewalling technologies, built on top of *Open Source* (GNU/Linux-based) components.

Trouble-ticketing: to track users' requests

email system re-engineering: redesigned in *MDIR* format with a *MySQL* data repository, and were added an antivirus and an antisпам service (*SpamAssassin based*)

network re-engineering: introduced *VLAN technology* and *VLAN-aware firewall* to permit bandwidth consuming streaming applications

Date

10/1999 – 05/2001

name of employer

ITCP "R. De Sterlich"

main activities

Student tutor activities in the school's computer labs

Education and training

Dates

14th October 2017

Title

Degree in Electronic Engineering (5 years - EQF level 7)

Thesis title

Implementation of OpenFlow-based routing techniques in SDN networks

Organization providing education and training

University of L'Aquila

Dates

9th to 20th July 2007

Course title

Parallel Computing

notes

I attended *Parallel Computing School* in Computing Center of GINECA

Technical skills and competences

GNU/Linux OS

depth knowledge of GNU/Linux system administration in medium/large installations

networking - layer 3 and higher

strong knowledge of technologies built on *IP* (mainly *TCP* and *UDP*) and several services built on this protocols (*HTTP/HTTPS*, *FTP*, *SMTP*, *POP3*, *IMAP4*, *TELNET*, *SSH*, *DNS* and *SIP*)

networking - layer 2 and lowest

working knowledge of *Ethernet* technologies, including *VLAN*

Perl

I wrote numerous scripts for various applications (*web*, *DBI*, *SNMP*, *Curses*, *DBIx::Class*, *Dancer/Dancer2*, etc.)

Perl modules

on *CPAN*², *Text::DeLoreanIpsum*

²<http://www.cpan.org>

other programming languages

Mainly:

general purpose: *Python, Go*

mobile: *Flutter*

dialogue/interactive: *Expect*

shell scripting: *Bash*

web: *PHP, Javascript/JQuery*

DRCS

Git

web server

Apache, nginx

dbms

MySQL/MariaDB

memory caching system

Memcached, Redis

automation tools

Ansible, Chef

data presentation

(X)HTML and CSS, \LaTeX , SGML/DocBook

favorite editor

vim, Visual Studio Code

favorite software

Free Software, Open-source software

Online presence

PerlMonks

PerlMonks is a community of developers who works in *Perl*; every user has a *credential* which increases (or decrease) through scores assigns by other community users. In the *PerlMonks* community, each level is assigned a title similar to those used in religion organizations. Presently I have reached the 13th level (*Curate*).

GitLab

<https://gitlab.com/spadacciniweb>

GitHub

<https://github.com/spadacciniweb?tab=repositories>

Languages

Mother tongue(s)

Italian

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B1	B1

Self-assessment European level³

Additional information

Driving licence(s)

Category B

³Common European Framework of Reference (CEF) level