

Alessandro Franceschi

CTO at example42 GmbH
Puppet Architect (since 2007)
System Administrator (since 1996)
DevOp (since before the word was invented)

CONTACT AND GENERAL INFO

Website: alvagante.com

Skype/Twitter/Instagram/YouTube: **alvagante**

Code: <https://github.com/alvagante> - <https://github.com/example42>

Puppet modules on Puppet Forge: <http://forge.puppet.com/example42>

Talks: <http://www.slideshare.net/alvagante>

LANGUAGES

Italian: Mother language

English: Very good

French: Basic

Spanish: Basic

(SELF) EMPLOYMENT HISTORY

2015 – now: Founder and CTO at **example42** GmbH. Supporting worldwide companies in their IT automation with Puppet.

2018 – now: Founder and CEO at **Lab42** Srl.

2006 – 2018: Freelance consultant on Puppet, DevOps tools and processes, Linux system administration and automation, training on the job, IT infrastructures design, security and networking.

1999 – 2006: Founder and CTO at **Coresis** Srl:
Chief Technical Officer of the IT infrastructure
Project manager for internal and customer's software projects
Training Area organization and management.

1995 – 2004: Founder and CEO at **Sarc** Srl:
The first ISP based on Linux in the province of Milan
Started as one man band company it grow to ten people
Launched the local portal rete039.it in 1998

2021

- Puppet consulting for **Tricent**
- Puppet consulting for **Finastra**

2020

- Puppet architect in **BlackRock** (for some years)
- Puppet consulting for **Schufa**
- Puppet consulting for **Willis Towers Watson**
- Puppet consulting for **Banque Centrale du Luxembung**

2019

- Puppet consulting for **Swisscom**
- Puppet consulting for **Pusher**
- Puppet infrastructure setup and consulting for **Boehringer Ingelheim**
- Puppet consulting for **Agility**
- Puppet training and setup for **Università di Bologna**

2018

- Puppet architect in **IHS Markit** (for some years)
- Puppet consulting for **Porsche**
- Puppet consulting for **Man**
- Puppet consulting for **Cornell University**
- Delivered Puppet trainings WorldWide

2017

- Puppet code review for **Bayer Crop Science**
- Puppet infrastructure setup for **Infocert** (for some years)
- Puppet infrastructure setup and consulting for **Boehringer Ingelheim**
- Puppet training and setup for **Università di Bologna** (for some years)
- Puppet training and setup for **Università di Milano**
- Puppet module development for **Sensu**

2016

- Puppet Architecture design for **DTT - Deutsche Telekom** (for some years)
- Arista EOS Puppet modules development for **Strato**
- New Puppet infrastructure design and consulting for **Bundesnotarkammer** (for some years)
- Puppet consulting for **Kuwait Petroleum Italia** (for some years)
- Puppet Training for **Avaloq**
- Puppet Puppet migration and AWS management via Ansible at **Foodora**
- Instructor at official Puppet trainings for **Puppet Inc.**
- Development of Tiny Puppet (www.tiny-puppet.com) and Example42 [control-repo](https://github.com/example42/control-repo)

2015

- Puppet code refactoring and redesign on AWS environment at **FoodPanda**
- Puppet architecture design and development for **BSource** internal cloud
- Puppet Training for **Sirti**
- Puppet Training for **Telecom Italia Lab**
- Puppet Training for **Fondazione Mach**
- Puppet Training for **RCS Corriere della Sera**

2014

- Puppet based multi-region High Availability OpenStack deployment for **Enter**
- Puppet infrastructure migration from version 0.24 to 3.5 for **Tenax**
- Writing of the book "*Extending Puppet*" for **Packt Publishing**
- Puppet architect at **Rocket Internet**. Worked on automating the IT setup for launch of new ventures (for some years)
- Puppet driven cloud migration for **Neo Mobile**
- Development of Puppet modules for **2nd Quadrant Italy**
- Puppet Training for **1&1**

2013

- Puppet training for **Borsa Italiana** (London Stock Exchange Group)
- Puppet infrastructure design and migration plan in **JobRapido**
- Puppet infrastructure design for **ARPA Piemonte**
- Puppet OpenStack infrastructure design for **Enter**
- Puppet modules development for **AllOver** and **Aestas IT**
- Puppet infrastructure design and migration plan for **Cineca**

2012

- DevOps Coordinator of the startup **GrandSla**
- Puppet training on the job for **Volunia**
- Puppet code assessment for **Dada Spa**
- Puppet infrastructure design for **Vatican City State**

2011

- Design and implementation of a Load Balancing solution for **Ribes Spa**
- Migration of Git server and setup of a custom Gitolite+GitWeb solution for **Bticino Spa**
- Upgrade and architecture redesign of WordPress blog servers of **Mediaset Spa**

2010

- Puppet Infrastructure Architect in **Seat Pagine Gialle Spa** (for some years)
- Infrastructure assessment for **Rci Banque Italia**
- IT infrastructure and processes assessment for **Ansa Spa**
- Upgrade of cluster infrastructure, based on Oracle and RHCS for **Ospedale Maggiore Milano**
- Oracle RAC cluster on RHEL server test plan setup for **CJIB, Dutch Ministry of Justice**

2009

- Linux professional courses on monitoring for **Italferr Spa**
- Design and deploy of HA Blog platform, based on Wordpress MU, for **Mediaset Spa**
- Editor of a Sysadmin section on italian **Linux Magazine**

2008

- Linux professional courses for **Price WaterhouseCoopers**
- Linux infrastructure update and migration for **Blogo.it**
- Design and development the new Puppet based Linux server infrastructure of **Coresis Srl**

2007

- Puppet based administration of the Web Infrastructure of **Banca d'Italia** (for some years)
- Design and development of the new Puppet based Linux Web infrastructure of www.tre.it
- Development of 2.0 version of **OpenSkills.info**
- Network assessment of **Transcom's** Italy LAN and WAN networks

2006

- Training on the job for **Tenax** Spa, on Linux proxy, mail and file servers
- Deployment and setup of the Linux infrastructure for **CGSpace Spa**
- OpenOffice migration for about 250 employers of **Comune di Bollate**
- Linux training in collaboration with **Global Knowledge**
- Customization and configuration of a Linux embedded monitoring system for **TIM**

2005

- Vulnerability Assessment and Penetration Test for top financial editor in Milan
- Development (using a LAMP architecture) of the new version of <http://openskills.info>
- Network assessment and new LAN design of the main offices of **Autogrill Spa**
- Linux training in collaboration with **Azlan**

2004

- Designed, configured and deployed the VPN infrastructure of **TXT e-solutions**
- Project manager of a web based software of video surveillance

2003

- Design and implementation of an IDS for **Regione Lombardia**
- Project manager of a web based software for trouble ticketing management

2002

- Linux training in collaboration with **Algol College**
- Project manager and coordinator of the sysadmin portal <http://openskills.info>
- Design and configuration of the network infrastructure for **Grande Fratello (Big Brother)**

2001

- Administrator of the network and streaming infrastructure of the first edition of Grande Fratello
- Project manager and analyst of SICK, a web based open source project for trouble ticketing

2000

- Worked for some years in the NOC of **Jumpy** portal as system and network administrator

1999

- Security assessment for **YourVoice Spa**
- Setup and configuration of Linux servers and network infrastructures for small and medium customers

1998

- Web design activities for **Telecom Italia Mobile**
- Setup and configuration of Linux servers for various customers

1997

- Re-design and configuration of the network infrastructure of local Internet Service Provider

1996

- Founded the local Internet Service Provider **Rete039** based on Linux systems

STUDIES AND CERTIFICATIONS

2013 – Puppet Certified Developer (PCD)

2012-2015-2016 – Puppet Certified Professional (PCP)

2003 – Red Hat Certified Engineer (RHCE)

1998 - Cisco Certified Network Associate (CCNA) (+ other Cisco courses)
1989-1994 - Graduated in Natural Sciences at Università Statale di Milano (108/100)
1984-1988 - High School Degree Liceo Scientifico A. Banfi (40/60)

SKILLS

System Administrator (since 1995)

World class experience on Puppet as consultant, trainer and book author ([Extending Puppet](#)).
Deep and wide knowledge of Linux (various distributions).
Good knowledge of Unix dialects (Solaris, FreeBSD, Darwin) and Windows server
Wide knowledge of the most common Internet application protocols and practical skills in the installation, configuration and deployment of various Open Source and proprietary solutions for common Internet applications.
Wide experience in configuration and automation of monitoring and log management solutions from different vendors.
Knowledge and experience on virtualisation and containerisation solutions: VMware, Xen, KVM, Virtual PC, Vagrant, Parallels, Docker.
Theoretical familiarity but not practical experience with Kubernetes.
Wide hands on experience on AWS and AWS automation.
Basic knowledge on OpenStack, OpenShift, Rackspace, Azure, Google Cloud.
On field experience on Linux Clusters, Load Balancers and HA.
Experience on CI/CD tools and principles.
Scripting languages: Bash, Ruby, Php, Python (basics).

Network Administrator (since 1995)

Wide and deep knowledge of the main inter networking protocols (TCP/IP stack), of LAN technologies (VLAN, VTP, STP) and routing protocols.
Consolidated practical experience on Cisco Routers and various brands of Switches, Load Balancers and firewalls.

Security Expert (since 1998)

Wide understanding and knowledge of security issues at the network, system and application levels. Configuration and deploying of Intrusion detection solutions based on different tools.
Working experience on the configuration of firewalls and VPN solutions based on multiple vendors devices and software.

Senior Trainer (since 1998 for professional IT subjects)

Thousands of classroom hours in technical courses for differently skilled participants, onsite and online. From 1995 to now, teaching Natural Sciences, general computer topics, Linux system administration, networking, security and Puppet.
Organized, designed and written Linux courses for different skills (from basic to advanced) and different media (classroom courses with practical activities, e-learning platforms, magazines and technical websites). Speaker in SMAU, WebBIT, Linux Day, PuppetCamp, PuppetConf, CfgMgmtCamp and other conferences.

WebMaster (from 1995 to 2008)

Good knowledge of HTML, XHTML, XML, CSS.
Large experience in search engines positioning, web marketing, usability and web culture.
Intermediate programming skills (PHP, Ruby on Rails and javascript), good knowledge of SQL and experience in the design and analysis of web projects with security and performance issues.
Good knowledge and experience with Wordpress and common plugins.