

Giovanni Lovato

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✉ 18, Str. Caimpenta
Vicenza, VI
36100 — Italy

Born: July 21, 1983 in Vicenza, Italy. Nationality: Italian

Areas of specialization

Progressive Web Applications • Application Programming Interfaces • Object-Relational Mapping • Cloud Computing • Virtualization • Operational Support Systems • Embedded Systems

Areas of competence

Computer Science • Information Technology • Software Development • Networking

Education

- 2010 **M.Sc. in Computer Science**
Università degli Studi di Verona, Italy.
ADVISORS: Davide Quaglia; Tiziano Villa.
- 2007 **M.Sc. in Network Planning and Management**
Università degli Studi di Verona, Italy.
ADVISOR: Franco Fummi.
- 2006 **B.Sc. in Computer Science**
Università degli Studi di Verona, Italy.
ADVISOR: Carlo Combi.
- 2002 **Classical Maturity**
Liceo Ginnasio Statale Antonio Pigafetta, Italy.

Qualifications

- 2016 **ITIL—Foundation certificate in IT Service Management**
Axelos International.
- 2012 **CCNA—Cisco Certified Network Associate**
Cisco Systems.
- 2002 **Certificate of competency as Hardware Technician**
GSS Gestione Software & Systems, Italy.

Publications

- Sep. 2010 Franco Fummi, Giovanni Lovato, Davide Quaglia, Francesco Stefanni
Modeling of Communication Infrastructure for Design-Space Exploration
ECSI Forum on specification & Design Languages. [PDF]
- Jul. 2010 Giovanni Lovato, Davide Quaglia, Francesco Stefanni
CASSE: Communication-Aware Specification and Synthesis Environment
Master's Thesis. [PDF]

Developer experience

- 2010–present **Open-source contributor** Contributions to many open-source projects like Vaadin, Hibernate, Spring, Blaze Persistence, Polymer, Aurelia and others (ref. github.com/heruan).
POSITION: Contributor.
- 2010–2020 **Axians Platform** Modular and extensible IT Service Management platform, written in *Java* using open-source frameworks such as Vaadin, Spring, Hibernate, Blaze Persistence.
POSITION: Architect.
- 2006–2008 **FRAME**
Authentication, Authorization and Accounting Middleware written in *PHP* and integrated with *OpenLDAP*, *PostgreSQL* and *FreeRADIUS*.
POSITION: Developer.
- 2006–2007 **Jobf**
Tool for watermarking and obfuscation of *Java* bytecode, written in *Java* itself.
POSITION: Developer.
- 2005–2006 **GElite**
A contemporary version of the space combat and trading computer game *Elite*, written in *C++* and *OpenGL*.
POSITION: Project leader.
- 2005 **FracRisk**
A medical application to calculate bone fracture risk, written in *Java* and *Java ME* for mobile devices.
POSITION: Project leader.

IT knowledge

Operative Systems (*GNU Linux*, *Apple macOS*, *Apple iOS*, *Microsoft Windows*).

Cloud Computing & Virtualization (*VMware*, *Docker*, *Kubernetes*, *Amazon AWS*, *Heroku*, *OpenShift*).

Programming languages (*C*, *C++*, *Objective-C*, *Java*, *Kotlin*).

Scripting languages (*PHP*, *Perl*, *Python*, *JavaScript*, *TypeScript*, *Bash*).

Markup languages (*HTML*, *XML*).

Query languages (*SQL*, *GraphQL*).

Integrated Development Environments (*Eclipse*, *IntelliJ Idea*, *Visual Studio Code*, *Atom*).

Version Control Systems (*Subversion, Git*).

Database Management Systems (*MySQL, MariaDB, PostgreSQL, MongoDB*).

Operations Support Systems (*Apache, OpenLDAP, FreeRADIUS*).

Communication & Networking protocols (*IPv4, IPv6, IPSec, OpenVPN, VoIP*).

Information Security (*OpenSSL, PGP*).

Computer Graphics (*OpenGL*).

Digital typesetting (\TeX , \LaTeX , \XeTeX).

Research fields of interest

Web application frameworks.

Data management systems.

Artificial Intelligence.

Machine Learning.

Cloud computing.

Digital security.

Personal interests

Bleeding-edge technology.

Pop culture and games.

Classical and Epic music.

Fantasy and Sci-Fi literature.

Visual arts and photography.

書道 [Shodō] (*Japanese calligraphy*).

合気道 [Aikidō] and 居合道 [Iaidō] (*Japanese martial arts*).

Last updated: October 15, 2020 • Typeset in \XeTeX
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