




## Daniele Santini

**Nationality:** Italian

### CONTACT

 Imola, Italy (**Home**)

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 [www.dsantini.it](http://www.dsantini.it)

### ABOUT MYSELF

Computer engineer, full-stack web developer, student of Artificial Intelligence. Open-source and open-data enthusiast and contributor.

### WORK EXPERIENCE

**07/2022 – CURRENT** Imola, Italy

#### ● **Front-end web developer** GELLIFY

- **Web development** (Java Spring, Next.js, React, Typescript, Bootstrap), requirement analysis, development and deployment in production environments (on premise, Azure, AWS).
- Supported implementation, delivery and maintenance of 1 product and over 70 projects for online sales in the entertainment industry.
- Versioning (git) and implementation of CI/CD pipelines (Jenkins).

**04/2019 – 07/2022** Imola, Italy

#### ● **Full-Stack WebGIS Developer** Sis.Ter

- **Full-stack web development** (DB: PostgreSQL, PostGIS; Back-end: Docker, PHP, Laravel. MapServer, Amazon Rekognition; Front-end: Vue.js, Kendo, GeoMoose, jQuery).
- **Project Manager** for a GIS management software used by 200 municipalities to manage 600k light points and 30k reports each year. **Requirement gathering and analysis**, web application architecture design, ER and OO data modelling. Evaluation of user feedback.
- Versioning (git) and implementation of CI/CD pipelines (Gitlab CI). **Vulnerability assessment and remediation** with SAST (Psalm) and DAST (OWASP ZAP). Design of IoT systems, Libelium IoT gateway programming (C++), usage of Grafana.

**Business or Sector** Information and communication | **Website** [www.sis-ter.com](http://www.sis-ter.com)

### EDUCATION AND TRAINING

**09/2020 – CURRENT** Bologna, Italy

#### ● **Master's degree in Artificial Intelligence** Alma Mater Studiorum - Università di Bologna

**Machine Learning** (Python, scikit-learn), **Neural Networks** (Tensorflow, Keras). **Scalable functional programming** (Scala). **Computer Vision** (OpenCV). Logic and constraint programming (Prolog, MiniZinc), Decision Support Systems and Production Rule Systems (Drools).

**Website** [www.unibo.it](http://www.unibo.it) | **Level in EQF** EQF level 7 | **Type of credits** ECTS |

**Number of credits** 120

**09/2014 – 03/2019** Bologna, Italy

#### ● **Bachelor Degree in Computer Engineering** Alma Mater Studiorum - Università di Bologna

**Imperative programming** (C), **OOP** (Java e C#), **database** (relational algebra, DB2, SQL); Phases and models of development, modelling languages (UML), software quality factors, **design principles, design patterns**. ISO-OSI, TCP/IP, UDP; HTTP, **HTML, JS, CSS, XML** (DOM/SAX); **JSON, AJAX; Servlet and JSP; DAO, ORM** (Hibernate); multi-tier and component-container architectures; inversion of control. Unix system administration; Bash. Electronics, automatic control systems.

**Website** [www.unibo.it](http://www.unibo.it) | **Final grade** 95/110 (ECTS: C) | **Level in EQF** EQF level 6 |

**Type of credits** ECTS | **Number of credits** 180

### LANGUAGE SKILLS

**MOTHER TONGUE(S):** Italian

## Other language(s):

English

Listening C1

Spoken production B2

Reading C1

Spoken interaction B2

Writing B2

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Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

## DRIVING LICENCE

● Driving Licence: B

## DIGITAL SKILLS

### LANGUAGES AND FRAMEWORKS

XML | JSON | Kendo | LaTeX | TensorFlow | jQuery | PHP | C++ | CSS | pandas | Bash | Scala | Javascript | numpy | C# | Python | HTML | Prolog | C | Java | Laravel | SQL | Vue | ReactJS | Next.js | Typescript

### SOFTWARE ENGINEERING

Design Patterns | Relational databases | Agile | Unit Testing | SOLID Principles | Requirement Analysis | Rest APIs | Object Oriented Programming (OOP) | Kanban | CI/CD | Code Review

### PLATFORMS AND APIS

PostGIS | Apache HTTPD | Windows | GitHub | Android | Linux | PostgreSQL | Arduino | Gitlab CI | Libelium | .NET | Sigfox | Mapbox | Google Maps API | Amazon Web Services (AWS)

### SOFTWARE

OWASP ZAP | Microsoft Excel | Android Studio | Docker | Git | SSH | Nmap | Postman

## NETWORKS & MEMBERSHIPS

10/2017 – CURRENT Imola

### ● Croce Rossa Italiana

As youth delegate I coordinated awareness and education campaigns on topics like recycling, climate change and prevention of diseases, improving soft skills such as problem solving, leadership and team building. During the Covid-19 pandemic I managed the transition of associative activities to online.

08/2016 – CURRENT

### ● OpenStreetMap

Mapper, OSMF member, HOTOSM (Humanitarian OSM Team) contributor, I coordinated the proposal process for multiple new tags and maintain some FOSS OSM-based projects.

Link <https://www.openstreetmap.org/user/Danysan95>