

Jacopo Jop

IT Engineer | Frontend Developer

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Visa Status: New Zealand Working Holiday Visa (valid until 10/04/2026)

EDUCATION

2018 - 2024 | **Laurea in Ingegneria Informatica (Bachelors Degree in IT Engineering)**

Alma Mater Studiorum 1088 A.D. - University of Bologna (most ancient university in the world), Italy

#138 in the QS World University Rankings 2026: Top global universities

#93 in QS World University Rankings by Subject 2025: Computer Science and Information Systems

- Thesis: Analysis of Client/Server Rendering Technologies in Web Applications (developed **lucajop.it** using Next.js).
- Key Subjects: Web Application Design, Web Technologies, Software Engineering, Computer Networks, Operating Systems, Database Systems, Programming Fundamentals.

2013 - 2018 | **High School Diploma** (Scientific)

Scientific High School, Applied Sciences Option A.B. Sabin - Bologna, Italy.

- Extra Activities with Science Club: robotics with Arduino, national CanSat competition (<https://www.esa.int/Education/CanSat>), Asgard balloon project in Brussels for two years (<https://esero.be/index.php/nl/asgard-balloons-for-science/>).

WORK HISTORY

September 2022 - December 2022 | **Frontend Developer Intern**

Mumble S.R.L., Modena, Italy

- Developed **PageSpeed Dashboard**, a React.js application for website performance analysis using Google PageSpeed Insights API.
- Designed responsive UI with Material UI and Tailwind CSS, integrating Laravel backend.
- Supported DevOps with Terraform and Docker, earning CEO recommendation for adaptability.

2023 - 2025 | **Electrician, Carpenter, and Mason**

I worked on the renovation of an old house under the supervision of my father, a registered architect, and other registered builders

- Designed and installed home electrical systems, including smart home integrations, enhancing technical precision with the approval of the supervising electrician.
- I managed to successfully install a wireless control system for Daikin heat pump heating, the first installation in Italy of a new product with many critical issues. Daikin Italia asked me to write a report and sent some managers to see the product in operation.
- Crafted custom furniture from scratch as a carpenter, demonstrating attention to detail and project management.
- Worked as a mason for demolition and labor tasks, and installed stone and mosaic cladding, showcasing versatility and manual skills.

PROJECT

CarpHaul Carpooling Web Application for Events

University of Bologna, Group Project 2023

- Collaborated with a team of three to design a web application that organizes transportation by car for friends who needs to be picked up, optimizing routes using Google Maps API.
- Implemented the MVC pattern to clearly separate the responsibilities between business logic, user interface, and data management. I chose UML diagrams to model the system (package, class, and sequence), facilitating the understanding and maintenance of the code.
- Designed the E-R diagram.
- Wrote unit tests in C# to ensure the quality and reliability of the software, adopting a testing-oriented approach.

TECHNICAL SKILLS

- Frontend Development: React.js (4/5), Next.js (4/5), JavaScript (4/5), HTML (5/5), CSS (5/5), SASS (4/5), Material UI (3/5), Tailwind CSS (3/5)
- Backend Development: Laravel (2/5), Node.js (3/5), MySQL (4/5), MongoDB (2/5)
- DevOps: Docker (3/5), Terraform (2/5), AWS EC2 (2/5), Google Firebase (2/5), Vercel (3/5)
- Programming: Java (4/5), C (4/5), Bash (3/5)
- Robotics: Arduino programming and prototyping (4/5)
- Design & Modeling: SketchUp (3/5), Fusion 360 (4/5), Adobe Illustrator (3/5)

PERSONAL SKILLS

- Effective Communication: Acted as team spokesperson during university group projects and presented results.
- Teamwork: Led Ultimate Frisbee team as captain, fostering collaboration.
- Problem-Solving: Designed innovative Arduino solutions for CanSat competition.
- Adaptability: Thrived in international projects like Asgard balloon project in Brussels.

ACHIEVEMENTS

- Earned letter of recommendation from Mattia Farina, CEO of Mumble S.R.L., for technical proficiency and teamwork (2023)
- Competed in national CanSat competition, showcasing robotics skills (2017)
- Participated in European Asgard balloon project in Brussels, gaining international experience (2016, 2017)
- Completed React - The Complete Guide (incl. Redux), Udemy (2022)

INTERESTS

- Robotics: Developing Arduino projects, fostering technical innovation
- 3D Printing: Prototyping with SketchUp and Fusion 360 since 2015
- Graphic Design: Creating visuals with Pixelmator Pro and Adobe Illustrator
- Apiculture: Managing beehives, enhancing environmental awareness
- Ultimate Frisbee: Former captain of Italian Serie B team, building leadership
- Renovation: Skilled electrician and carpenter, applying precision

LANGUAGES

- Italian: Native
- English: Fluent (B2, as per Europass CV)

REFEREES

Mattia Farina
CEO
Mumble S.R.L.
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Letter of recommendation from Mattia Farina available upon request.