

# Marco Lupia

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## PROFESSIONAL EXPERIENCE

### Deloitte

#### Analyst

08/2021 – present  
Rome, Italy

- Performed data analysis and architectural implementations of tag managers using Web Analytics tools such as *Adobe Experience Cloud* and *Google Marketing Platform*
- Collected and analyzed customer's tracking requirements and produced documentation
- Created customized dashboards and reports through data visualization platforms
- Conducted experience personalization and A/B testing activities

### Reply

#### Consultant

01/2021 – 08/2021  
Rome, Italy

- Designed and implemented cloud solutions on *Microsoft Azure*
- Full stack development using *Angular (JavaScript)*, *ASP.NET Core (C#)*, *EF Core*, *Microsoft SQL Server*
- **Desk Booking**: cloud platform to manage 13.000+ office employees, reservations, reports, alerts
  - Configured *Azure Infrastructure* and *DevOps* pipelines for *CI/CD*
  - Created *Azure Functions* for scheduled tasks, deployed with *ARM templates*
- **BVLGARI**: corporate platform to administer 20.000+ worldwide business users and commercial partners
  - Identity and access management, *Active Directory*, *Azure AD B2C*, *MFA*
  - Produced customer facing documentation, processed requirements according to client needs
- **Sport e Salute**: mobile app to promote sport events and find sport facilities
  - Back end development of microservices using *ASP.NET Core*, *Orchard CMS*, *AKS containers*, *Datadog*
  - Developed *REST APIs* with *Swagger* documentation
- **LUXOTTICA**: improved *Azure Function* to sync data between *PureCloud* and *Microsoft SQL Database*
- **AI DAY** ☑: Real time traffic monitoring solution using *Custom Vision*, *Live Video Analytics*, *PowerBI*

### Sapienza University of Rome - Department of Computer, Control and Management Engineering

#### Software Engineer

09/2020 – 12/2020  
Rome, Italy

- Developed *SmartRPA* ☑, an open source *Robotic Process Automation* *Python* tool to record user actions into *UI logs* and automatically generate executable *RPA scripts* for software robots
- Collaborated with a team of 3 people, designed process mining algorithms to solve complex problems
- Presented work at *RPA Forum of 18th Int. Conference on Business Process Management* in *Sevilla, Spain*

## EDUCATION

### Master of Science in Engineering in Computer Science

Sapienza University of Rome

12/2018 – 07/2020  
Rome, Italy

### Bachelor of Science in Computer and System Engineering

Sapienza University of Rome

10/2015 – 12/2018  
Rome, Italy

## SKILLS

**Languages**: *Python*, *JavaScript*, *TypeScript*, *Java*, *C#*, *C*, *SQL*, *Swift*, *Scala*, *Ruby*, *Assembly*

**Frameworks**: *ASP.NET Core*, *Entity Framework Core*, *Angular*, *Spring*, *Node.js*, *Ruby on Rails*, *Flutter*

**Databases**: *Microsoft SQL Server*, *MySQL*, *PostgreSQL*, *SQLite*, *MongoDB*, *Firebase Realtime Database*

**Web**: Full stack development, *HTML*, *CSS*, *jQuery*, *Bootstrap*, *REST*, *SOAP APIs*, *Swagger*, *Postman*

**Project Development**: *Git*, *Agile methodology (Scrum)*, *DevOps*, *CI/CD*, *Microservices*, *ER Model*, *UML*

**Web analytics**: *Adobe Experience Cloud*, *Google Marketing Platform*, *Tealium tag manager*

**Automation**: *Business Process Management*, *Robotic Process Automation*, *Process Mining*, *Process Discovery*, *Selenium*

**Other**: *Cloud Computing (Microsoft Azure)*, *Virtual Machines*, *Docker*, *Maven*, *Gradle*, *LaTeX*, *Pandas*, *Microsoft Office*

## CERTIFICATES

**Microsoft Certified** ☑ (AZ-900) | **EF SET English** ☑ (C2 - Proficient) | **Cambridge English** (C1 - Advanced) | **ECDL**

**Google Fundamentals of Digital Marketing** ☑ | **Google Analytics** ☑ | **Google Campaign Manager** ☑

## PUBLICATIONS

**SmartRPA: A Tool to Reactively Synthesize Software Robots from User Interface Logs** ☑

33rd Int. Conf. on Advanced Information Systems Engineering (CAiSE Forum) - Springer

06/2021

**Automated Generation of Executable RPA Scripts from User Interface Logs** ☑

18th Int. Conference on Business Process Management (RPA Forum) - Springer

09/2020

## LANGUAGES

**Italian** (Native speaker) | **English** (C2 - Proficient)

## INTERESTS

Problem Solving | Teamwork | Project Management | Risk Management | Log Analytics | Data analysis | UI/UX