Marco Lupia

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PROFESSIONAL EXPERIENCE

Deloitte — 08/2021 – present, Rome, Italy
Analyst
- 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 — 01/2021 – 08/2021, Rome, Italy
Consultant
- 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 — 09/2020 – 12/2020, Rome, Italy
Software Engineer
- 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 — 12/2018 – 07/2020, Rome, Italy
Sapienza University of Rome

Bachelor of Science in Computer and System Engineering — 10/2015 – 12/2018, Rome, Italy
Sapienza University of Rome

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) | **Google Certified** ☐ (*Fundamentals of Digital Marketing*)

EF SET English ☐ (*C2 - Proficient*) | **Cambridge English** (*C1 - Advanced*) | **ECDL**

PUBLICATIONS

SmartRPA: A Tool to Reactively Synthesize Software Robots from User Interface Logs ☐ — 06/2021
33rd Int. Conf. on Advanced Information Systems Engineering (CAiSE Forum) - Springer

Automated Generation of Executable RPA Scripts from User Interface Logs ☐ — 09/2020
18th Int. Conference on Business Process Management (RPA Forum) - Springer

LANGUAGES

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

INTERESTS

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