

**MICHELE SCARIMBOLO**  
DIGITAL SOLUTION ARCHITECT



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## EDUCATION

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**2017 – 2019 Master degree, Computer Engineering - Politecnico di Bari**

Web technologies, Artificial Intelligent and Machine Learning. Score: 108/110

**2019-03 – 2019-06 Erasmus+ traineeship: Guest researcher - Universidad Politecnica de Madrid**

Software sustainability and CI/CD

**2016 – 2017 Master in iOS Mobile Developing – Apple Developer Academy**

iOS Developing, Project Management

**2013 – 2017 Bachelor degree, Computer Engineering - Politecnico di Bari**

Computer technology. Score: 94/110

## SKILLS

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**Technical skills:**

Cloud provider: AWS, GCP, Azure

AI/ML: focus on NLP, Correlation and Similarity algorithms for Recommendation Engine

Languages: PHP, JavaScript, HTML5, CSS3, MySQL/NOSQL, Swift4, Python, R. Framework: Bootstrap (v3, v4), jQuery, Vue.js (SPA/PWA), Slim (micro-framework for PHP), Scikit-learn.

Software/Tools: IntelliJ IDEA (phpstorm, webstorm, pycharm), Filezilla, Postman, xCode, Sequel Pro, Office365/iWork, TeamViewer, VNC Server, Slack, Asana and Atlassian suite (Jira, Confluence and Trello).

**Organizational skills and competences:**

Able to work independently, planning and executing jobs

Used to motivate the team and to cooperate to reach the goal

**Customer facing:**

Face-to-face and Skype meeting. In this first meeting I understand the customer needs: during this first phase I think about the possible solutions to solve the problem. After this phase I study the situation (analysing all possible technologies), and I'll provide some PoCs to help finding a first real solution. As middle phase I'll analyze the time we have to spend to create every features, the technical figures that we need into the team and at the end I'll start with project management tools (like Trello/Asana/Jira) to organize the work.

**Technical skills and competences:**

Able to analyse process

Able to write technical reports and documents, planning strategies

Agile development with SCRUM methodology

# WORK EXPERIENCE

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**Digital Solution Architect**

**04/2020 – present**

**RCS MediaGroup S.p.A., Milan (Italy)**

I deal with the design of innovative ideas, from the migration of cloud solutions to the integration of new tools capable of increasing the company business (including Corriere della Sera, Gazzetta dello Sport, RCS Sport), organizing and managing external suppliers (mainly with Agile methodology), making sure the deadlines are met in the planned budget.

## **Projects:**

- Recommendation engine
  - Creation of Recommendation engine to suggest article at users that browse the web sites (Corriere della sera, Gazzetta dello sport) and use some mobile application (Corriere Digital Edition, Corriere App News, Corriere Digital Assistant). In this engine We have used correlation and similarity algorithms, focus on Natural Languages Process to help writing articles, e.g. find keywords, understand the topics and the sentiment.
- Big Data's migration
  - Migration about a Cloudera on-premise cluster to Google Cloud Platform (using Cloud Composer, Big Query, Data Proc, Data Flow).
- Alexa podcast
  - Developing an Alexa skills for Gazzetta dello sport (video and audio-only).
- Piano.io integration
  - Integration of Piano.io platform to increase the conversions of users in Corriere web site. This platform includes DMP, LTx/LTc understanding on user behaviour, Dynamic Paywall on web site.
- Smart TV application
  - Developing a live streaming and video-on-demand platform for RCS. The cloud logic will be create on Amazon Web Services using AWS Elemental tools.
- Qr-Code application
  - Developing an application that increase the reading of "Gazzetta dello sport" in restaurants using your personal mobile phone, to prevents touching newspaper for Covid-19.

**Storm Reply s.r.l., Milan (Italy)****Design, development cloud solution on AWS cloud provider.**

As a solution architect, I participated in migration projects and cloud infrastructure creation for many large customers. I designed LLD and HLD with subsequent native integration or through IaC processes. To help me develop IaC, I configured CI / CD's pipeline to automatically provision resources on the cloud.

**Tasks to be carried out:**

- Customer facing
  - Understand the client's needs and solving their problems (usually about products delivery)
- Design and development of a cloud architecture
  - First draw for a PoC
  - Using of AWS Lambda, AWS EC2, AWS ECS, AWS CloudFront, AWS CodeBuild, AWS CodePipeline, AWS CodeDeploy, AWS CloudFormation
- ITOM Orchestrator
  - ServiceNow configuration to create a orchestrator for manage resources in different cloud provider (GCP, Azure, AWS, VMWare, OracleCloud)

**Technologies :**

*Backend: Docker Container in Python.*

*Versioning: Git (Gitlab)*

*DevOps: Gitlab Pipeline, AWS CodePipeline*

*Infrastructure as a Code (IaC): Terraform, CDK*

*Automatic provisioning: Ansible*

**Matwork s.r.l., Bari (Italy)****Design, development and release "uWelcome" on iOS platform. The design also included the development of a server to manage data used by the application. The website of application is reachable here: <https://www.uwelcome.it/>**

During this work experience I have developed uWelcome App, from designing to release, in a team group. When we completed the program, I went to sell it in many accommodations. I interfaced with the owners, I explained how it worked and all the benefits they would have in using it.

**Tasks to be carried out:**

- Customer facing
  - Understand the client's needs and solving their problems (usually about products delivery)
  - Sales assistant through telephone
  - Continual communication with many suppliers about the products deficiency.
- Design and development of a web system architecture
  - User interface
  - Web application functional and non-functional requirements
  - Database and data model
  - iOS Mobile application
- Test and release

**Achievements:**

- Excellent communicational skills
- High satisfaction by the clients from solving their needs

**Technologies :**

*Backend: Slim micro-framework, MySQL, Azure server.*

*Web frontend: Bootstrap3, HTML5, CSS3, jQuery.*

*iOS: Swift4 (with micro-libraries used with Pods).*

*Versioning: Git (Github)*

*Tools: PhpStorm for backend and web frontend, xCode for iOS, Azure for server management*

*Protocols/techniques: REST, Json*

*Methods: SCRUM (using Trello)*

**Museide, Naples (Italy)**

**Design and development "Museide" social network. The design also included: server and client-side development and a cross platform application.**

This company aims to enhance the area in which it is used (monuments, places, events, etc.). During this experience I had a lot of contact with the end customers (chosen to test the app), so during each release, we were every day with our users to understand what their needs were and what they needed to create the best technological-cultural experience.

**Tasks to be carried out:**

- Team work coordination.
- Customer facing to improve the experience
- Design and development of a web system architecture
  - User interface
  - Web application functional and non-functional requirements
  - REST API methods
  - Database and data model
- Leader and Responsible of Technology department

**Achievements:**

- Participation at social innovation demonstration "31° Futuro Remoto"
- Participation at start-up accelerator "012 Factory"
- Improvement of the production management of the company
- Month-end report, expenses forecast and budget update.
- Improve problem solving skills during developing and team group coordination

**Technologies :**

*Backend: Slim micro-framework, MySQL, Azure server.*

*Web frontend: Bootstrap3, HTML5, CSS3, jQuery.*

*Versioning system: Git (Github)*

*Tools: Phpstorm for backend and web frontend.*

*Protocols/techniques: REST, Json*

*Methods: SCRUM (using Trello)*

**Iterpro, Milan (Italy)**

**Design and development a software of football team management to help the team of sport scientists to improve players performance. <https://iterpro.com>**

This company, now a leader in the football analysis sector in Europe, began its journey by interfacing with small football teams. During the first months of life of this company, me and 2 other colleagues, we interfaced with a team to understand how to acquire the data we needed to be able to apply the algorithm developed by our CEO. During this phase, with computers in hand, we discussed the use of specific equipment to be less cumbersome and annoying for players during training. As we were able to understand what both they and we needed to complete the first prototype.

**Tasks to be carried out:**

- Customer facing:
  - Understand client needs
  - Asking questions to clarify doubts regarding technical specifications
- Design and development of a web system architecture
  - User interface
  - Web application functional and non-functional requirements
  - REST API methods
  - Database and data model

**Achievements:**

- Excellent communicational skills
- Improve problem solving skills during developing
- High satisfaction by the clients from solving their needs

**Technologies :**

*Backend: Slim micro-framework, MySQL, Azure server.*

*Web frontend: Bootstrap3, HTML5, CSS3, jQuery.*

*Versioning system: Git (Github)*

*Tools: PhpStorm for backend and web frontend.*

*Protocols/techniques: REST, Json*

*Methods: SCRUM (using Asana)*

## PROJECTS

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### Microsoft Student Partner (MSP)

2015-07 – 2018-07

Microsoft Student Partners are on-campus student leaders with a passion for sharing technology with their classmates. Gain leadership experiences, get access to resources and develop your technical and career skills. You might find yourself leading a hackathon, mentoring computer science students, or unlocking the next great idea with your team – it's all up to you.

#### **Tasks to be carried out:**

- Learning and Teaching about Azure
- Creation conferences for students and teachers
- Participations in Italian territory to spread our knowledge of azure

#### **Achievements:**

- Excellent communicational skills during conference and work meeting
- Excellent skills in Azure:
  - Cloud computing
  - Virtual machine
  - Database management
  - Resources monitoring / Analytics
  - Storage services
  - Web services

## CERTIFICATIONS

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- CISCO: CCNA Discovery: Networking for Home and Small Businesses | 2011
- Trinity Grade 6 at Trinity College of Dublin with 1 month permanence in Dublin | 2012

## LANGUAGES

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**Italian:** mother-tongue

**English:** fluent

**Spanish:** beginner

## INTERESTS

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- Master of swimming | since 2016
- Travel lover