



Alessandro Capelli

CONTACTS

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LANGUAGES

- ✓ Italian (Native)
- ✓ English (B2)

PROGRAMMING

- ✓ C++, C# (.NET Core)
- ✓ Python (Flask, Django)
- ✓ Java
- ✓ JavaScript (Vue.JS, Angular)
- ✓ SQL, MySQL, SparQL, Cypher
- ✓ HTML, CSS
- ✓ SAS
- ✓ Swift
- ✓ LaTeX

ABOUT ME

Computer scientist. Deep learning, cloud computing technologies, cybersecurity, programming and encryption enthusiastic.

WORK EXPERIENCE

BiCA AG | Software Engineer

apr. 2023 - current

Full-stack developer with C#, .NET Core, ASP.NET and Angular technologies. Use of best-practice following Agile development and CI/CD techniques in Azure DevOps environment.

NEXT GENERATION CONSULTING | Co-Founder & B of D Member

sept. 2022 - mar. 2023

Founder of an IT consulting company for small and medium-sized enterprises with the goal of evolving business through strategic planning supported by the most innovative technologies.

SAS | System Engineer

jan. 2022 - feb. 2023

Pre-sales Strategic Account and Finance Large Account. Customer advisor for UniCredit, Intesa SanPaolo, Generali, Vodafone, Erste and Raiffeisen.

Trustworthy and Ethical AI project development, in-depth study of ESG issues, risk management, banking and insurance fraud, technical and functional lifecycle governance of analytical models.

SAS | Technical Intern

apr. 2021 - jan. 2022

EMEA Students at SAS Internship Program.

INDEPENDENT | Software Engineer

2019 - 2022

Development of C# (.NET Core) applications and deployment on leading platforms such as Azure, AWS and GCP following the most popular development architectural guidelines and patterns such as MVC. DevOps techniques (CI/CD) and use of version control tools (Git, GitHub, GitLab).

MUNICIPALITY OF VILLA D'ALMÈ | Study Space Manager

2017 - 2020

Responsible for the opening and evening management of a municipal study space for university students.

INDEPENDENT | iOS App Developer

2016 - 2018

Development and deployment of iOS applications in Swift.

BERGAMOSCIENZA | Developer & Speaker

2013 - 2016

Project manager related to the use of LEGO Mindstorms robots with open source firmware and guide for school groups.

CERTIFICATIONS

- ✓ "Study excellence" of Confindustria
- ✓ SAS Certified Specialist: Base Programming Using SAS 9.4 - SAS (5C0EL6XKC2E11Z3H)
- ✓ IBM Full Stack Cloud Developer Specialization (IBM) - Coursera (J5TLELM9RFWZ)
- ✓ Cloud Application Development Foundations Specialization (IBM) - Coursera (AWFCM66R9MKQ)
- ✓ Front-End Web UI Frameworks and Tools: Bootstrap 4 (The Hong Kong University of Science and Technology) - Coursera (SVVXY8UN57U4)

LICENCES

- ✓ Swiss driving licence
- ✓ Cardiac massage patent

EDUCATION

ST. GILES INTERNATIONAL

feb. 2023 - may. 2023

English language school in London, England.

Business-oriented English course and living in a native English-speaking family home.

UNIVERSITY OF MILANO-BICOCCA

2019 - 2021

Master's degree in computer science [LM-18] - 110/110.

Thesis: Credit risk modeling: the impact of Responsible AI and the interpretation of the results.

UNIVERSITY OF MILANO-BICOCCA

2016 - 2019

Bachelor's degree in computer science [L-31] - 107/110.

Thesis: Application of machine learning algorithms to smart contracts on the Ethereum platform.

TECHNICAL HIGH SCHOOL LEONARDO DA VINCI

2011 - 2016

Class (5 years) and school representative (3 years) - 100/100.

COMPETENCES

TECHNICAL SKILLS

- DevOps development techniques (CI/CD)
- Version control tools (Git, GitHub, GitLab)
- Virtualization and orchestration tools for cloud infrastructures (Docker, Kubernetes, OpenFaas, OpenShift)
- Machine learning and deep learning techniques (Tensorflow, Keras)
- RESTful architectural style and microservices architecture
- IoT infrastructures
- Good knowledge of operating systems and networks
- RDBMS, NoSQL, distributed DBs, RDF
- Cryptographic algorithms and cybersecurity
- Blockchain and smart contracts (Bitcoin, Ethereum)
- Information retrieval (ApacheLucene, ElasticSearch)
- Elementary penetration testing skills
- Computer science theory (Turing machine, automata, Petri net, concurrent programming, computational complexity, optimized search algorithms)

PERSONAL SKILLS

- Excellent teamwork and project management skills
- Good leadership skills, especially among peers
- Very curious and ambitious