

# Carmine Sacco

## Software Engineer



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## Work Authorization

Europe: Eligible to work inside EU

USA: Visa Required

## Education

M.D. Computer Engineering  
Polytechnic of Turin | 2015 |  
106/110

B.D. Computer Engineering  
University of the studies of Salerno |  
2012 | 100/110

## Certifications

*PowerMBA Global* powered by  
PowerMBA

*Project Management* powered by  
Harvard ManageMentor

*Neural Networks & Deep Learning*  
powered by Coursera

## Skills

Languages: C++, Java, C, Python, SQL  
Web: Node.js, Php, React, CSS  
Databases: MySQL, MongoDB,  
Aerospike  
Framework: Spring, Qt, CMake, Gtest,  
Mocha  
Other: Docker, Kubernetes, AWS, Jira,  
Git, CI/CD

## Achievements

Honeywell International s.r.o  
- Bonuses for completing challenging  
tasks  
- 1st Prize at Honeywell Hackathon  
for the best innovative idea  
Startupper @ Toctherapy  
- 1st Prize at Perotto-Zucca contest  
- Participant at Cosmofarma fair  
- Selected by I3P

## Work Experience and Internships

Feb'21 - today Senior Software Engineer

TMC Italy spa ft. ArtGroup Spa, Rome, Italy

- Accomplished a 50% cost savings for a SME in the automotive sector by creating a customizable, reusable, and robust infotainment platform based on C++ and Qt, as measured by the planned budget.
- Successfully led a remote team of Senior Software Engineers to develop a 4K video live streaming platform in just 2 months, utilizing various protocols for efficiency and accuracy evaluation, as evidenced by the performance metrics.  
TechStack: C++, Qt, Node.js, React, Wireshark
- Designed and improved customer's infrastructure moving from monolithic setup to a cluster with distributed containers in just one week Tech Stack: AWS, Kubernetes, Docker, C#, MySQL, CI/CD
- Supported customer team leader in defining activity, strategy plan, and KPIs

Feb'19 - Aug'20 Software Engineer

Honeywell International sro, Prague, Czech Republic

- Developed a Qt desktop tool for automatic validation of over 100K flight plans, contributing to a successful European project funded by ESA that reduced costs by 25% compared to partner organizations
- Won the first prize at the corporate hackathon among +10 teams by showing my idea of a virtual assistant for airline pilots to my designated team and making a successful demo with the adoption of Alexa Skills.
- Joined a highly specialized team of 5, to build a web application based on Java, Spring, and React in just 1 week.

May'17 - Dec'18 Consultant Engineer

Teoresi spa ft MagnetiMarelli, Turin, Italy

- Accelerated software development of an embedded device for vehicle monitoring and emergency calls, leading to successful product launch on two different markets.
- Coordinated activities with partners and customers to resolve critical issues, ensuring timely delivery of the product.
- Demonstrated excellent teamwork and coordination skills while contributing to the R&D team, resulting in a successful product launch.

Feb'16-Apr'17 Research Assistant

Polytechnic of Turin, Turin, Italy

- Technology analysis in order to choose the best technology for the data storage.
- Built up a POC for a search engine to retrieve images based on the camera's fingerprint. POC built over a 50 M of images reaching a latency of 2 seconds  
My group of research founded a startup: Toothpic srl

Dec'14 - Jun'16 Startupper

TocTherapy, Turin, Italy

- Crafted MVP of a web and mobile application in a team of 4 in order to provide reliable information about healthcare services offered by public and private hospitals adopting the Lean Startup Methodology.
- Achieved several prizes and awards as innovative start-up as demonstrated by engagement in I3P, Incubator of Innovative Enterprises.