

# 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

- Supported customer's team in the development of a multi-tenant platform for luxury cars, utilizing C++ and Qt, which resulted in less than 10% maintenance cost
- Implemented Test-Driven Development (TDD) and built tools for multiple departments to improve efficiency and quality.
- Collaborated with customer team leader in defining activity, strategy plan, and KPIs, while also identifying new resources and technologies for upcoming projects.

Sep'22 - Nov'22 Freelancer

PenguinPass spa, Milan, Italy

- Assisted CEO in launching a web application for Italian football organization (FIGC) on AWS infrastructure, which went live in a weekend and successfully managed over 500 users.
- Led a junior developer during the development of new front-end features, effectively delegating tasks and providing mentorship to improve productivity and quality

Feb'19 - Aug'20 Software Engineer

Honeywell International sro, Prague, Czech Republic

- Led R&D team and developed a C++ 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
- Spearheaded a team of 4 in a hackathon and prototyped a virtual voice assistant to support pilots during flights, winning 1st prize and demonstrating innovation, technical expertise, and leadership abilities.

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 customer satisfaction and 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

- Engineered in a team of 4 a web and mobile application in order to provide attested information to the citizen about healthcare services offered by public and private hospitals.
- Engaged in I3P, Incubator of Innovative Enterprises. Evaluated the business plan in according to the market analysis
- Achieved several prizes and awards as innovative start-up.
- Upgraded the full-text search into semantic search using NLP and Apache Solr framework