Claudio Cavallaro

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🎓 Education

Università degli Studi di Salerno, Salerno (IT)   2015 – 2019
Master's degree in Network and Software Technologies – Department of Computer Science   *Final grade: 105/110*

Università degli Studi della Basilicata, Potenza (IT)   2009 – 2015
Bachelor's degree in Computer Science   *Final grade: 88/110*

🎓 Thesis

IoT and Ambient Intelligence for realtime background music: experiments with gym athletes
Master's degree thesis.
> Machine learning project that suggests the right background music based on the people's effort during workout.
> Repositories on my ⚪Master's degree git
> Advisor: Delfina Malandrino, Rocco Zaccagnino

Design and development of a host parameters monitoring system by using RESTWeb Services and Android app
Bachelor's degree thesis
> Advisor: Gianvito Summa – Video: https://goo.gl/S2hq7c

🎓 Class seminar

Using Thread in Interactive System: a case study   2017
The Google File System   2017

🎓 Certifications & Awards

Building Containerized Applications on AWS   Sep 2021
Coursera – Credential ID: GNCMMNDD4JPG   *link to certification*

AWS Fundamentals Specialization   Nov 2021
Coursera Specialization (4 courses) – Credential ID: 5S4VXC9ZBQNS   *link to certification*

⚙ Skills

Programming languages:	Java (JDK8, Android framework), Python (beginner), Kotlin (beginner)
Data:	Oracle SQL, PostgreSQL, SQLite, H2 XML, JSON, MongoDB
DevOps:	Docker, Kubernetes
Cloud:	*familiar* with AWS services such as IoT, EC2, ECS, EKS, DynamoDB, S3
IoT Protocol:	MQTT
OS:	Mac OS, Unix, Windows
Project managment:	Maven, Gradle
Version control:	Git
Testing:	JUnit, Gatling
Programming frameworks:	Spring, Hibernate, Mosquitto, Apache Hadoop, OpenMPI, Bouncy Castle Cryptography

🌐 Languages

ITALIAN: Native
ENGLISH: Certificated B1 level in 2010 from Università degli studi della Basilicata.
Estimated now:

Understanding		Speaking		Writing
Listen	Reading	Interaction	Production	
B2	B2	B1	B1	B2

⬤ Experience

Software engineer at Capgemini   Sep 2021 – Current
IT Analyst Consultant - Financial Services area   *Napoli(IT)*
Full stack developer
> Migration of a monolithic application to microservices architecture.
> TechStack: SpringBoot – Angular

Software developer at Nexsoft S.p.A.   Dec 2019 – Aug 2021
IT Consultant - Financial Services area   *Salerno (IT)*
Backend develop and manteinance
> Evolutive and corrective manteinance on a monolithic software architecture based on Java8.
> Microservices based on SpringBoot (JDK11):
>   * Developing microservices from scratch deployed on Docker with Jenkins pipeline
>   * Evolutive manteinance on existing microservices deployed on Docker with Jenkins pipeline
>   * Manage the CI/CD process writing gitlab pipeline.

Android developer   2015 – 2018
Freelance
> During master's degree I did work on small-medium size Android projects everyone technologically inline with my github repositories.

⚗ Some of my projects

Various projects   2020 - Current
> Sometimes I work on small personal projects based on microservices (Spring boot), IoT or android apps.
> Usually, I deploy my application using Docker on my local unix server. Check my github for further details.

Test-Prenotazioni   2022
> This software help my swim team mate to schedule a race during the season.
> The backend is made in SpringBoot and the frontend in Angular. All deployed in docker container.
> Link on my gitlab

**Differences and Analysis between FileInputFormat and NLineInputSplit computing D2 Distance be-   2018
tween genomes sequences using Hadoop.**
University project (Team size: 2) – Advisor: Giuseppe Cattaneo

Swimcheck   2018
> Android application that use the data of *aquatime.it* (scraping) to help the people to find results of official FIN and UISP swim races.
> Athletes can find their results, compare them by race type and compare between other atheltes.
> Repository on my ⌽: SwimCheck-android

Interest and activities

· I have a strong passion for everything related to technology, I have few RaspberryPi to play with.

· I love to swim, I'm part of local swimming team that compete in the FIN and UISP league.

· I love to watch Tv series in native language so I can imporve my english.