



# Salvatore D'Angelo

RESEARCHER AND  
SOFTWARE ENGINEER

## Contacts

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## Spoken and programmed languages



## About me

I am a software craftsman, passionate about mobile development, python, and artificial intelligence. I'm working on several side projects based on Flutter, Supabase/Firebase, FastAPI, LLM+RAG. I'm involved in different research projects about:

- Compilers, Code Generation, Quantum Computing, and DevOps.
- LLM+RAG for requirements extraction and UML generation
- LLM+RAG for test/test plan generation and validation

I'm also in two University Spin-off about AI and workflow parallelization.

## Tech skills

- Design, documentation and software development
  - latex, git, java, dart, python, SQL/NoSQL, REST, GraphQL, Flutter, Agile/DevOps)
- Cloud Native Solutions Architect (docker, k8s, openshift, helm, elk)
- Machine Learning and Deep Learning for Natural Language Processing
- LLM+RAG (ChromaDB, Qdrant, Langchain, Streamlit)
- Problem solver (positive, patient, elastic, side view)

## Experiences

### FIXED TERM RESEARCHER

*Università della Campania L. Vanvitelli - Jan 2020 - current*  
Machine and Deep Learning techniques, Patterns and automatic code transformation, to support and automate the design, componentization, deployment and dynamic and adaptive management of software systems Distribution and high performance on the Cloud-Edge Computing continuum (Python)

### RESEARCHER

*CINI - Jan 2017 - current*

Courses about Git, Docker, and Kubernetes. Toreador - H2020 Project on BigData Model as Service (Python). PoC for the Italian Ministry of Justice (Neo4j, NLP, NER), Code Generation (Python), Compiler (Python) and DevOps

### PROFESSIONAL TRAINER

*Nov 2018 - current*

Courses about Flutter, Splunk, Boomi, Salesforce, BPM/BPMN, Openshift, DevOps, Kubernetes, Docker, Infrastructure as Code, and ELK Stack.

### FOUNDER - SOLUTION ARCHITECT

*Geekers Srl - Jul 2018 - Dec 2023*

Cloud-native solutions (K8S-Hasura-Camunda) for SME customers, Flutter-based mobile applications, ICT consultancy

## Education

### UNIVERSITÀ DELLA CAMPANIA "VANVITELLI"

*PhD.*

*2013 - 2016*

PhD in Industrial and Information Engineering. HPC, Parallelizing compilers, parallelization techniques applied to the Cloud and Big Data. Toreador-H2020 European Project

*Master Degree*

*2011 - 2013*

Master's Degree in IT Engineering.

Natural Language Processing applications applied to software design.