MY PASSION & I

By Carmine Sacco

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ABOUT ME

CARMINE SACCO

- Polyglot Software Engineer
- Fighter
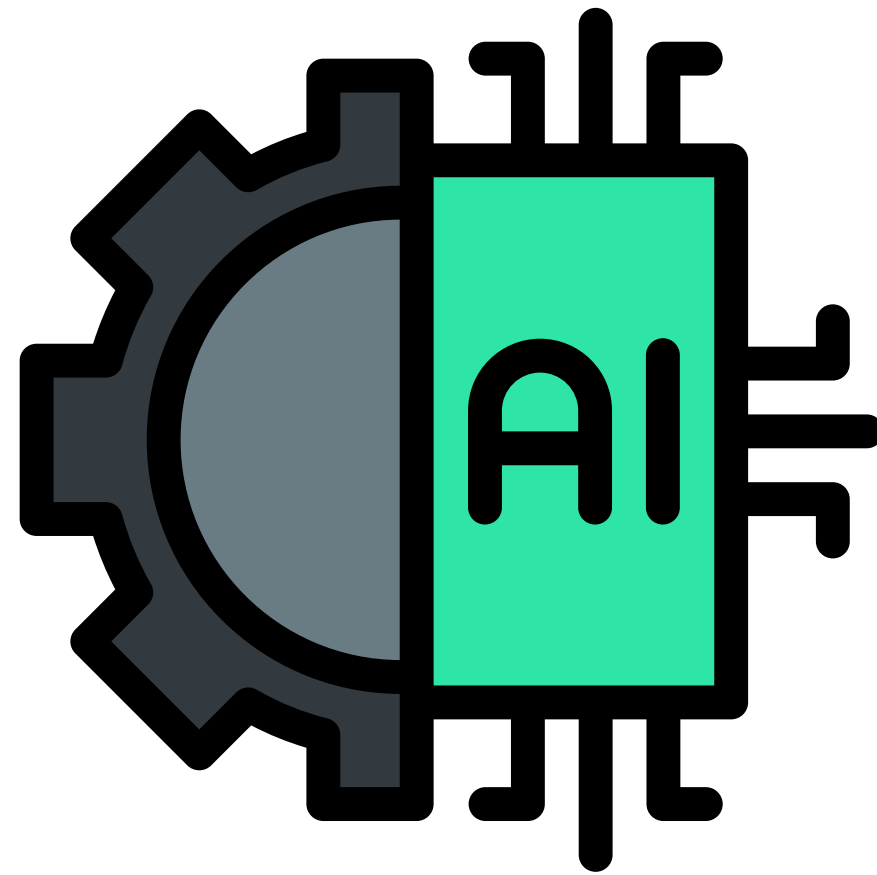- Dreamer
- Italian from Naples ♥

VISION

Empowering human-centered innovation
for a *Flourishing Future*.
Available to collaborate innovative projects
which final goal is to help the people's
lifestyle and human progress

MISSION

Has a mission to provide the best solution
for every company or individual based on
the goals he wants to achieved.
Bring always innovative ideas to speed up
processes and making new products.

PASSIONS

WHO I SUPPORTED

AUTOMOTIVE

CONSULTANCY

AEROSPACE

STARTUPS

Software Delivery Platform

Goal: Create cloud infrastructure to manage the vehicle data and to provide connected services to the vehicle
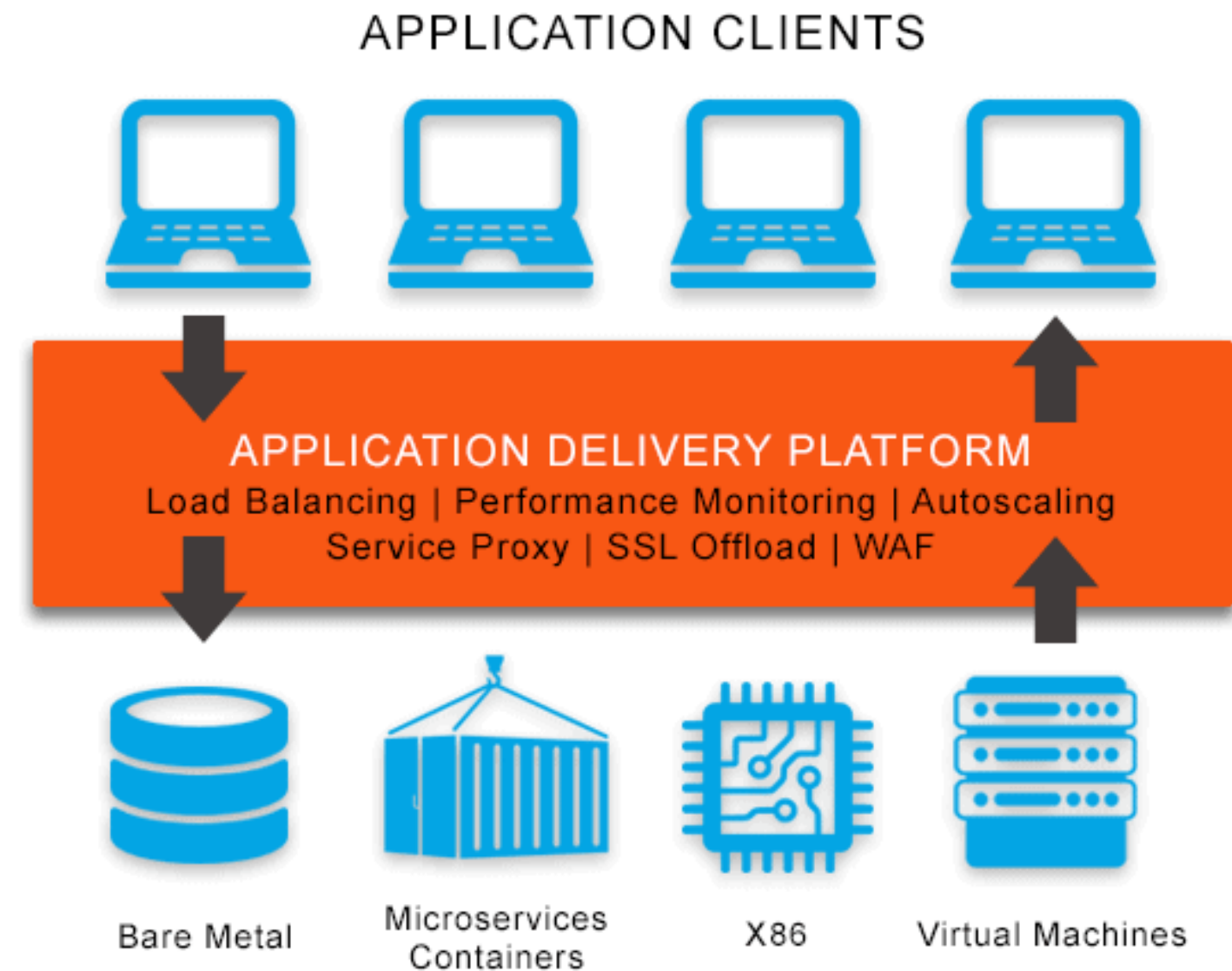
Required Skills:
- Knowledge of DevOps
- Knowledge of Cybersecurity
- Leadership

Role: Senior Software Engineer

Results:
- Improved first cloud app from monolithic to distributed in 1 week

Tech: Angular, C#, Docker, Kubernetes, AWS

ART
ADVANCED SOLUTION

APPLICATION CLIENTS

APPLICATION DELIVERY PLATFORM
Load Balancing | Performance Monitoring | Autoscaling
Service Proxy | SSL Offload | WAF

Bare Metal   Microservices   X86   Virtual Machines
              Containers

Live Streaming

Goal: Build a live streaming plaftorm using TCP

Required Skills:

- Video Encoding
- Network Protocols
- Backend and Frontend Development

Role: *Activity Leader + Fullstack Developer*

Results:

- Platform to multiple protocols (HLS/DASH) with different parameters
- Latency: 30 secs

Tech: *C++, Qt, Node.js, React*

Infotainment Platform

Goal: Build a multi-tenant plaftorm for the infotainment for luxury cars

Required Skills:
- Knowledge of Automotive sector
- Knowledge of Software Cycle
- Communication and Relationship skills

Role: Senior Software Engineer

Results:
- Applications customized on three customers with same codebase
- Saved 50% development costs

Tech: *C++, Qt, Linux Desktop, Poky Embedded*

Flight Plan Validator

Honeywell

Goal: Build a desktop application for validating airlines' flight plans
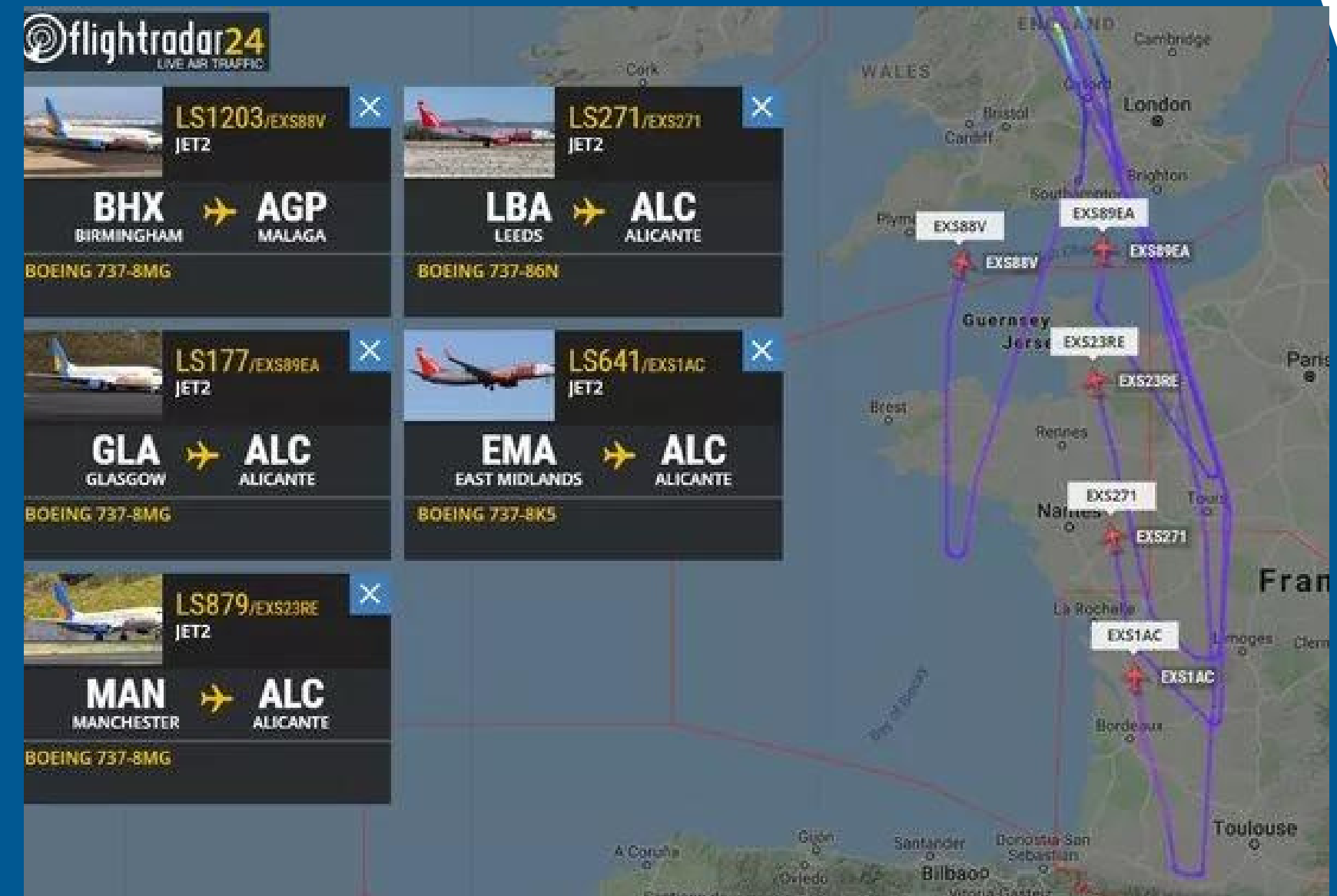
Required Skills:
- Knowledge of Big Data
- Knowledge of Cross-compilation
- Knowledge of Qt & C++

Role: Software Engineer

Results:
- Application ready

Tech: *C++, Qt, Visual Studio, Windows, CMake*

Toothpic

Goal: Development of search engine for automatic detection of images capture by a particular camera
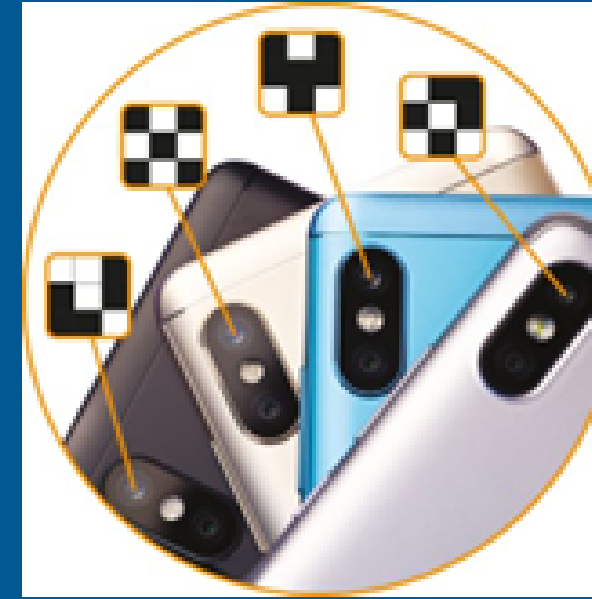
Required Skills:
- Knowledge of Big Data
- Knowledge of Mobile & Backend
- Design of the whole system

Role: Research Assistant

Results:
- Designed backend services to be reused by the mobile application born later
- Startup funded

Tech: *C++, Android, Java, NoSql*

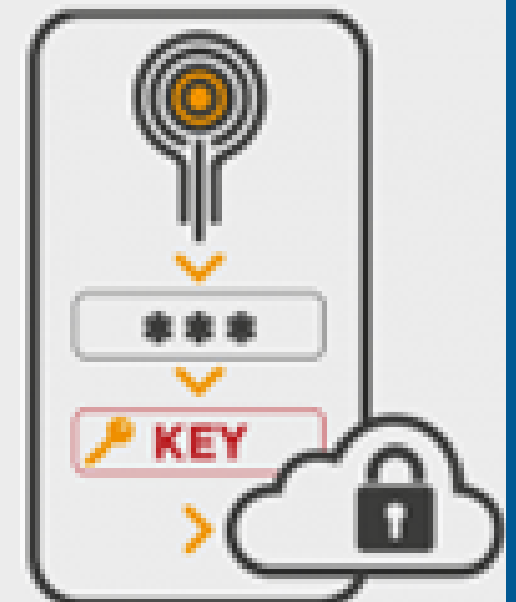**01.** Sensor fingerprint is used to obfuscate a standard cryptographic key

02. The cryptographic key is destroyed

03. Only that specific device can recover the cryptographic key when needed

TocTherapy

Goal: Build a search engine for retrieving attested information about services offered by private and public hospitals

Required Skills:

- Business Analysis
- Communication Skills
- Software Development

Role: Founder

Results:

- Selected by I3P - 2nd European Incubator for innovative Ideas
- Selected by Cosmofarma

Tech: PHP, MySQL, Angular

Patologia, Terapia, Esame Diagnostico,Farmacia, Prodotto o Servizio Farmaceutico

Presto la Salute del tuo cucciolo: TocTherapy Pets 🐾

PERSONAL SKILLS

HARD SKILLS

Multiple Programming Languages:
- C++, Java, Python, Javascript,...

Study and Analysis of multiple frameworks and tools

Deep Knowledge of several network protocols and their benefits

Deep knowledge of video encoding and live streaming

SOFT SKILLS

Able to interact with different stakeholders independently by their technical knowledge

Open to collaborate more than work alone

Able to spread own knowledge to junior and senior profiles

Strong vision to reach the goal

CONTACT ME

PHONE NUMBER

+393452764291

WEBSITE

csacco.eu

E-MAIL ADDRESS

carmine.sacco91@icloud.com

THANK YOU