



ANDREA ACAMPORA

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SUMMARY

Software Engineer specialized in Backend Development and Software Architectures.

MSc Computer Science & Engineering @ University of Bologna.

NodeJS, TypeScript, Java, Scala, Kotlin

Microservices and Event-driven Architectures, Domain-driven Design, Digital Twins and Functional Programming.

SOCIAL

[in](https://www.linkedin.com/in/andrea-acampora-5b3842147) andrea-acampora-5b3842147 [github](https://github.com/andrea-acampora) andrea-acampora gravatar.com/andreaacampora

PROFESSIONAL EXPERIENCE

Software Engineer

Jun 2024 - Present

Mr. Apps, San Marino

- Design and development of web services for mobile and web applications.
- **NodeJS** | **NestJS** | **TypeScript** | **Docker** | **PostgreSQL** | **AWS** | **DevOps**

Curricular Internship | Software Engineer

Sep 2023 - Mar 2024

University of Bologna, Cesena

- Research activities on *Digital Twins* and *Event-driven architectures*.
- Contribution to the *White Label Digital Twins* framework through the development of an Event-driven microservices architecture.
- **Event-driven Architecture** | **Digital Twins** | **Microservices** | **Apache Kafka**

Curricular Internship | CyberSecurity

Jan 2021 - May 2021

CyberLoop, Cesena

- Curricular Internship during Bachelor Degree
- **Web Scraping** | **Network Security** | **OSINT** | **Python**

EDUCATION

MSc of Computer Science & Engineering

Sep 2021 - Mar 2024

University Of Bologna, Cesena

- **Grade:** 110L/ 110
- **Skills:** Domain-Driven Design | DevOps | Functional and Reactive Programming | Kotlin | Scala | Java | NodeJS | Vue3
- **Thesis:** "Design and development of an Event-Driven Microservice Architecture for Digital Twins"

- **Grade:** 101/110
- **Skills:** OOP | Java | Python | C | C++ | IoT | Data Structures | Networking
- **Thesis:** "Re-design of the Alchemist simulator data export module"

SKILLS

NodeJS, NestJS, ExpressJS, TypeScript, Java, Kotlin, Scala, Docker, Vue, PostgreSQL, MySQL, MongoDB, AWS, DevOps, Continuous Integration, Continuous Delivery, Scrum, Software Architectures, Domain-Driven Design, Microservices, Event-Driven Architectures, CQRS, Event Sourcing

PROJECTS

NestJS DDD DevOps

[Live Project](#) | [Github Link](#)

Technologies: NodeJS, NestJS, Domain-Driven Design, DevOps

Ready-to-use project following *DDD*, *Clean Architecture* and *Functional Programming* best practices, combined with some *DevOps* techniques such as *CI*, *CD* and *QA*.

Smart Operating Block

[Live Project](#) | [Github Link](#)

Technologies: Digital Twins, Microservices, Kotlin, IoT, Web of Things, Apache Kafka

A prototype of a Smart Operating Block composed by an *IoT layer*, a *Digital Twins* layer and a *Microservice Architecture*.

LANGUAGES

Italian

Native or Bilingual Proficiency

English

Professional Working Proficiency

Spanish

Elementary Proficiency