

# Fabio Cionini

**Senior Consulting Engineer, Software Developer, Systems Architect**

Based in Italy

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## Highlights

I have more than 20 years of experience in software engineering and 12 years in team leading and management. My skills cover a broad range of programming languages, platforms and frameworks.

I am currently working as a contract consulting engineer for clients such as MongoDB and AVL GmbH.

I am very confident in working on mission-critical, complex scalable systems as an architect and developer, as team leader, mentor and project owner/manager.

I have been working as employee or contractor with big software companies, medium size scale-ups, smaller start-ups and companies I have co-founded myself.

### ► 2004 - 2007

Software engineer at Atos Origin, working on FIAT Group (now Stellantis) Sales and Services portal.

### ► 2007 - 2015

Co-founder of interaction design studio TODO: CTO, Head of R&D and Senior Software Engineer.

### ► 2015 - 2017

Full-time employee Engage Works Ltd, London, as Head of Development, having a key role in big projects and managing international teams.

### ► 2017 - 2018

Contract Software Developer / Tech Lead / CTO for clients in UK, Sweden and Italy.

### ► 2018 - 2020

Full-time employee at Changan European Design Center in Rivoli (TO) as Tech Lead and Head of Software Prototyping, designing and developing HW/SW solutions for automotive HMI with the UX team.

### ► 2020 - 2024

Co-founder of Seetalabs, a start-up researching and selling AI products and services, as a Senior Tech Lead and Full Stack Developer.

### ► 2021 - 2022

Full-time employee at Etiqa working with high profile US clients in health sector as software development team manager, recruiter and system architect.

### ► 2022 - 2023

Full-time employee at Planhat AB, Sweden, as Full Stack Developer helping build their European leading Customer Success platform.

### ► 2024 - 2026

Partner Consulting Engineer at MongoDB and Senior Cloud Architect at AVL GmbH (contract).

## Main skills and competences

- **Databases (RDBMS, Document-based)**

- **System Architecture**

- **Cloud Platforms**

- **Web and Mobile Development**

- **IoT**

- **AI**

- As Partner Consulting Engineer (MongoDB, AVL)

- Working with public entities and companies tech teams to deploy mission-critical database infrastructures and cloud-based architectures, performance optimization, data migration strategies, custom CDC solutions, security compliance, major upgrades, data modeling best practices and design patterns, training sessions.

- Public sector (Ministry of Infrastructures, Italian Post Office, Italian State Offices, Central Police Department, Rome Municipality, Ministry of Public Health, Dubai Ministry of Transportation, Guardia di Finanza)

- Banking and Financial Services (PagoPA, Nexi, Sisal, Maggioli, Crédit Agricole, LIS Holding)

- Regional Health Services and Hospitals (Regione Lombardia, Istituto Pascale, Regione Lazio)

- Public Infrastructure (Terna, ENEL, Ferrovie dello Stato, A2A, Italgas, ANAS)

- Airline companies (Saudi Arabian Airlines, Fly Dubai)

- Other leading EMEA companies (Sephora, Ferrari, Quixa, Moody's, Luxottica)

- Responsible for design and maintenance of cloud-based IoT platforms to monitor energy consumption in large scale environments (car dealerships, company buildings, resorts) using FIN Framework and custom developed software

- As Tech Lead, CTO, Head of R&D, Head of Development

- Technology research, effort estimates, resource assignment and management

- Team building, recruiting of freelances, interviewing, mentoring

- Full responsibility for the development of key projects under pressing deadlines and tight budgets

- Design of system architectures and specifications

- Project documentation, reports to clients and directors

- As Senior Developer

- Full-stack web development: Javascript, TypeScript, Vue.js, Angular, Ionic, Node.js; PHP, Laravel; Python, FastAPI; HTML5, CSS3.

- Microservices design and implementation (REST).

- Cloud systems design and configuration (AWS, GCP, Azure)

- IoT devices programming and system design (Arduino, Raspberry Pi, sensors, actuators, custom boards design); MQTT brokers.

- Databases: MongoDB (on-premise, Atlas), MySQL, SQLite, Redis.

- Server configuration and administration: Linux (Ubuntu/Debian/RHEL).

- ▶ Mobile application development: iOS (Objective-C, Swift); cross-platform development (Ionic, Cordova, Capacitor); Android, Tizen.
- ▶ Real-time, generative graphics and interactive environments: OpenFrameworks (C++), Processing (Java); computer vision, object tracking (OpenCV, Kinect).
- ▶ Desktop application development: macOS (Objective-C/Cocoa).
- ▶ UX/UI design and web/print graphics design (Figma, Sketch, Photoshop, Illustrator).
- ▶ Generative AI, machine learning and deep learning assisted software engineering (Python).
- ▶ Software design patterns and best practices.

#### ▶ Certifications

- ▶ MongoDB Professional Services: Certified Partner, Consulting Engineer
- ▶ MongoDB SI Associate Certification Program

## Education

I have a Science high school graduation (Liceo Scientifico).

From 1994 to 2000, I pursued a degree in Communication Studies at the Università degli Studi di Torino and completed all coursework. In 2025 I enrolled again and I am planning to complete my studies and graduate in 2026.

## Languages

In addition to Italian, my native language, I am fully proficient in both written and spoken English.

Since 2015 I have been working in international contexts where technical and everyday English is the main language.

I also have basic understanding of written and spoken French.

## Employment details and main projects

### 2024 - 2026

MongoDB Partner Consulting Engineer

<https://delbridge.solutions>

<https://mongodb.com>

AVL GmbH Partner Senior Cloud Architect

<https://www.avl.com/en>

Freelance CTO, software engineer, solutions architect for Piattaforma PA, MUN Italy, Tropico Security

<https://www.piattaformapa.com>

<https://www.mun-italia.it>

<https://www.tropicosecurity.com>

### 2021 - 2023

Full Stack Software Developer at Planhat (Stockholm, Sweden), a leading Customer Success SaaS platform with hundreds of international enterprise clients. Working on development and design of new features, refactoring of the codebase, both frontend and backend.

<https://planhat.com>

### 2021

Senior Tech Lead at Etiqa srl (Turin). I led two international teams (Italy and US based) working on high profile online insurance products for our US-based client.

My job was to coordinate team activities, hire key profiles, training new resources, gathering technical and business requirements to design new products and roadmaps, defining development best practices and workflow, ensuring quality of delivery and respecting deadlines.

<https://etiqa.it>

CTO and Lead Full-Stack Developer for PiattaformaPA, a B2B SaaS for companies that want to participate in public tenders: aggregation from 30+ portals, contracts management, statistics, collaborative work features.

<https://piattaformapa.com>

### 2020

Co-founder, Lead Software Architect and Development Team Manager in SeetaLabs, an AI startup that provides Artificial Intelligence services to industries and research facilities such as CERN, Tamini Energy Transformers, Feralpi Group, Israel Electric Company.

<https://seetalabs.com>

### 2018 - 2020

Full-time employee at Changan Europa Designing Center, Rivoli (TO).

In Changan I worked on several software prototypes involving web applications (Angular, Ionic, Node.js, Three.js, GSAP), interfacing with automotive real-time systems (OBD-2 and CAN bus), mobile and native

applications (C++, Ionic/Cordova) together with participating on UX design discussions, design decisions and project specifications. I also developed a real-time socket-based state management server system for interconnecting and orchestrating different software platforms and embedded hardware devices in cockpit interactive prototypes.

I worked in an Agile team with UX and UI designers, engineers, designers and marketing specialists.

## 2016 - 2018

CTO at Ledworks srl, creators of Twinkly smart decorations ([twinkly.com](http://twinkly.com)). I managed development teams, directing research and development, dealing with product owner requests, working on the full software stack: native mobile applications, IoT services, server applications and system architecture.

Freelance contractor for international clients as a Senior Software Architect, Tech Lead and Developer.

Key projects:

*Paratissima Art Gallery*, online art marketplace for the 4th Italian art fair in terms of visitors.

<https://artgallery.paratissima.it>

*PassBot*: The first Messenger chat bot for restaurants, pubs and beach resorts in Italy.

<http://www.orderconcept.com>

*Enterspace Pod Control GUI*: Visual web-based control system to manage VR experience areas.

<https://www.enterspacevr.com>

*MyVirtuoso Home*: Mobile app for IoT home automation system

<http://www.myvirtuosohome.com/en/>

## 2015 - 2016

In 2015 I joined Engage Works Ltd., based in London, to work as Head of Development. My tasks were Technical Lead on key projects, lead the development department as a whole, consult on new work, develop the skills of internal staff and vet freelance staff.

I worked on web-based (back-end and front-end) and native interactive applications (mostly Windows WPF touch-based), designing system architectures and API specifications, leading internal developers, designers and freelancers, having full responsibility for software release on schedule, choosing technologies, dealing with clients requests.

Engage Works provides interactive digital solutions to clients such as EY, KPMG, Accenture, Dubai Prime Minister Office, Sky, Jaguar, SAP.

Working at Engage significantly improved my leadership skills, enabling me to drive international teams of developers and designers on complex projects and tight deadlines.

Key projects:

*Edge of Government* exhibition project for the Dubai Prime Minister Office

I led the software development team for all interactive exhibit installations and a responsive website.

<https://edge.worldgovernmentsummit.org/2016/>

*Sky Academy*, an educational TV studio where students can learn how to make TV. Responsible for deployment of two studios (Milan, Italy and Osterley, UK) and software development.

<http://www.skyacademy.it/sky-academy-studios/>

## 2007 - 2015

In 2007 I co-founded TODO together with three partners, and worked there as CTO, head of R&D, software developer and designer, creative technologist. TODO main activities are on interaction design projects for exhibitions, big events, museums and mobile software development.

Working there, I had full responsibility for the software development of the projects I took part in, choosing the right technologies, coordinating teams of developers and designers, developing key software parts of most projects, designing APIs, software and hardware specifications, dealing with clients and contractors.

Among the key projects which I took part as Creative Technologist, Software Designer, Developer and/or Team Manager, are:

#### *ENEL Pavilion for Expo 2015*

We designed and developed several areas of ENEL (the main electric company in Italy) pavilion for Expo 2015 in Milan providing contents, graphic design, software and hardware electronics development.

#### *Museo Egizio 2015 Campaign*

Campaign for the new, restored Turin Egyptian Museum based on interactive installations for which I designed and developed frontend and backend software.

#### *Doha Film Institute mobile application*

iOS and Android native mobile application to promote the activity of the Qatari film institute and the Doha Tribeca Film Festival. Design and development of the REST-based back-end API architecture, CMS and database structure, also managing the contractors who developed the mobile applications.

#### *NIKE Hyperfuse*

Interactive installation in public space featuring real time music generation using computer vision software (body recognition) and big facade projections.

#### *Chinagram*

The app, based on a book published by Vallardi Editore, was designed and developed internally.

I was the main Objective-C developer, also contributing UI/UX decisions and managing junior developers.

## **2004 - 2007**

Full-time contractor for Atos Origin as a web developer for Fiat Auto. I was part of a 40+ development team, working mainly with PHP and Oracle databases on a mission-critical web application used by Fiat retailers all over Europe.

Employed at Lonely Planet Italy as senior web developer and web designer: I was responsible for corporate web site redesign and development, internal web applications, database architecture and optimizations, coordination of junior developers.