



## Giovanni Ciandrini

*Role:* Software Engineer

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### ***Current position and desired work position***

I am a **Software Engineer** with a strong passion for fintech and payment systems integration, graduated in 2017 with M.Sc. from the University of Bologna in the Faculty of Computer Engineering.

Over the past 4 years, I have specialized in the banking and payments domain, developing scalable distributed solutions and microservices architectures.

I currently work as a **Full Stack Software Engineer** in a banking environment, and I worked in the last 4 years in the fintech and payment domain integration.

I focus on designing and developing software products that address complex business requirements, with particular emphasis on backend architecture, API design, and user experience. Passionate about decentralized systems and blockchain technologies, with specific interest in Bitcoin and innovative payment protocols.

Across my different working experiences I also had the chance to coordinate the development team with the various stakeholders (project managers, product managers, consultants, suppliers, etc...)

I thrive in dynamic team environments that value clean architecture, Agile best practices, and continuous learning, always seeking opportunities to grow as a professional developer.

## **Work Experiences**

### **Full Stack Software Engineer**

Software Engineer @ Cornèr Banca SA (Lugano, CH)

September 2024 - Present

#### **Skills:**

.Net Core, .Net Framework, Angular, Git, Azure, Kubernetes, IIS Server, Microservices Architecture, GraphQL

### **Backend Engineer & Team Lead**

Backend Engineer @ BKN301 Tech (Repubblica di San Marino)

May 2021- September 2024

#### **Skills:**

.Net Core, MongoDB, SqlServer, EntityFramework, Git, AWS, Postman, IIS Server, Api Integration, Rest, GRPC, Software architecture, Team-Leading

### **Web Application Specialist**

Full Stack Software Engineer @ Websolute SPA (Pesaro, PU)

September 2020 - May 2021

#### **Skills:**

Asp Net Core, Angular (>2), Net Framework Razor Pages, Swagger, Rest API, Docker, Swarm, Bootstrap-JQuery, Git, Fiddler, SqlServer, MySql

### **Web Developer**

Web Developer and Engineer @ Fastcode SPA (Cesena, FC)

October 2019 - August 2020

#### **Skills:**

Asp Net Framework, WPF, Kanban, Entity Framework, Bootstrap-JQuery, JWT, OAuth2, RabbitMQ, Postman, SVN

### **Software Engineer**

Software Engineer @ Biesse Group (Pesaro, PU)

January 2018 - October 2019

#### **Skills:**

C#, WPF, MVVM, Xaml, IoT, SVN

### **Internship Software Engineer**

Training for Master's Degree @ Scai Consulting (Bologna, BO)

June 2017 - December 2017

#### **Skills:**

IoT Technology, Security Best Practices, Arduino, Java, NodeJs, Linux, Git, Agile Development, Scrum Best Practices

## ***Key Projects & Activities***

### **Payment Gateway Integration & Microservices Architecture for Banking Platform**

- Designed and implemented Microservices with DDD architecture for multiple layer payment providers (cards, wire transfers, digital wallets);
- Integration with third party API of core banking payment system with 3ds Authentication , as well as Mastercard API;
- Designed and deployed distributed applications on Kubernetes with event-driven architecture, to handle core banking functionalities and new standards such Instant Payments;
- Maintaining of core banking systems that handle with ISO20022 Payment Standards

### **Decentralized Payment Exploration**

- Research and experimentation with Bitcoin Lightning Network protocols for instant micropayments
- Comparative analysis between traditional payment systems and decentralized solutions (blockchain-based)
- Open source work and exploration for different scenarios

## ***Education***

### **Two-Years Master degree (M. Sc.) in Computer Engineering**

*University of Bologna (Bologna, BO).*

*Vote: 110L / 110*

*Date: 20/12/2017*

*Thesis: Design and implementation of an IoT security solution with security by design and Agile methodologies.*

### **Three-years degree (B.Sc.) in Computer/Eletronic Engineering (Scope: Information Technology)**

*University of Bologna - Second Engineering Faculty (Cesena, FC)*

## ***Certification***

- Ux Design @ Politecnico di Milano
- State Exam (esame di stato) @ Ingegneria Bologna, Sez. A
- PlanB Certification Lugano (Bitcoin Plan Development Path, work in progress)

## **Language skills**

- **English:** *Comprehension: C1 - Speaking: C1 - Writing: C1*
- **French:** *Comprehension: A2 - Speaking: A1 - Writing: A1*
- **Italian:** *Madrelingua*

## **Computer skills**

### *Programming Languages:*

**Frontend:** Angular, Javascript, CSS, Bootstrap

**Backend:** C# (NetCore/NetFramework). *Minor:* NodeJs, Python, Java.

### *Technologies and Tools:*

**Cloud:** AWS, Azure

**Databases:** MongoDB, SQL Server, MySQL, NoSQL

**Protocols & APIs:** GraphQL, REST, gRPC

**IDE:** Rider, Visual Studio, Visual Studio Code, Eclipse;

**OS:** Windows, Linux (batch programming);

**Tools/Frameworks:** Kubernetes, Git, Scrum, TDD (Nunit), MVVM, WPF, Angular, Entity Framework, Dapper

## **Soft Skills**

- *Strong business orientation: ability to translate complex requirements into effective technical solutions;*
- *Excellent communication and coordination skills; fan of non-violent communication;*
- *Proactive team management and stress handling in high pressure environments (fintech/banking);*
- *Passion for technological innovation and continuous learning (fintech, blockchain, distributed architectures)*

Lugano, 15/02/2025