



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 thirdy 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