Giovanni Ciandrini

Role: Software Engineer

- *Birth date:* 01/04/1992

- *Citizenship:* Italian

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- *GitHub: https://github.com/gciandro13*

- *Personal portfolio: https://giovanni-ciandrini.netlify.app/*

Summary

Full stack Software Engineer with 9 years of experience and 5+ years of experience in fintech and banking, specialized in distributed systems, microservices, and payment integration. Proven experience leading small development teams, coordinating with stakeholders across the full project lifecycle and high pressure environments. Passionate about clean backend architecture, API design, and decentralized/blockchain technologies. Open to collaboration, full-time and remote friendly.

Work Experiences

Full Stack Software Engineer
Software Engineer @ Cornèr Banca SA (Lugano, CH)
September 2024 - Present

Fullstack (dotnet/angular) software engineer in core banking team payments flows. Maintenance of core banking legacy applications composed by more than 20 services and implementation of 2+ kubernetes services with high performance throughput, contributed to zero down-time migration of core banking service flows, from business analysis to deploy in production.

Backend Engineer & Team Lead
Backend Engineer @ BKN301 Tech (Repubblica di San Marino)
May 2021- September 2024

Backend software engineer in fintech startup (business domain: Bank as A Service). Management of 3 developers and 1 architect on Acquiring project team domain. Implementation and deploy on AWS cloud of more than 10 services (API-Gateway and Microservices, RestAPI GRPC). Integration to Core Banking third parties and 3ds flows. Integration with Mastercard API and setup reconciliation chron jobs to accountability parts. Integration with Identity Server Authentication flow.

Web Application Specialist

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

September 2020 - May 2021

Fullstack software web developer for different business domains. Interation directly with PM and clients for implementation and maintainance of different client web sites. Develop solution on legacy CRM with Angular, Dotnet , Javascript technology stack.

Web Developer

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

October 2019 - August 2020

Fullstack software web developer for hosting and domain client.
Part of team of 5 with QA tester, implementing task activities on C#, VB.Net and Javascript technology domain.

Software Engineer

Software Engineer @ Biesse Group (Pesaro, PU)

January 2018 - October 2019

Junior Software engineer in Wood Automation business domain.
Design and Implementation of desktop application for machine industries (C#, WPF).
Design and co-author of research universitary project for IoT predictive maintenance of wood-working machines.

Internship Software Engineer

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

June 2017 - December 2017

Internship based on the implementation of IoT prototype solution via Arduino (Java) to webapp for wearable data purpose. Git based team development team.

Key Projects & Activities

Payment Gateway Integration & Microservices Architecture for Banking Platform

- Analyzed, designed and implemented different layers for a web-application to handle payment transactions using DDD approach (Authentication, Api Gateway, 3+ payment microservices);
- Integrated 5+ services with third party API of core banking payment system with 3ds Authentication flow, and 1 services via Mastercard API (OCT)
- Deployed 2+ distributed applications on Kubernetes with event-driven architecture, to handle core banking functionalities and new standards such Instant Payments, improving throughput and reducing processing latency
- Implemented and deployed services of core banking systems that handle with ISO20022 Payment Standards.

- Currently attending certification on planB school (Lugano), researching and experimenting with Bitcoin via Lightning Network protocols for instant micropayments. In particular, focused on analysis between traditional payment systems and decentralized solutions (blockchain-based)

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:** *Native*

Computer skills

Core Stack: C# / .NET Core, Angular, REST & gRPC APIs
Cloud & Infrastructure: AWS, Kubernetes, event-driven architecture, NServiceBus, RabbitMQ
Payments & Banking: ISO20022, 3DS flows, Mastercard API, API Gateway patterns
Databases: SQL Server, MongoDB, NoSQL
Minor: Node.js, Python, Java

Lugano, 08/03/2025