

Francesco Moca

Senior Consultant & Full-Stack Developer · Milan, Italy

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SUMMARY

Senior consultant and full-stack developer with 6+ years of experience delivering enterprise software and blockchain platforms. More than a dozen client projects across financial services, energy, insurance, supply chain, and payments, spanning hands-on development, architecture, client workshops, and team leadership.

EXPERIENCE

Blockchain Reply · Milan, Italy	Mar 2020 – Present
Senior Consultant	Mar 2023 – Present
Consultant	Mar 2020 – Mar 2023
- Led teams of 3-5 developers delivering multi-component digital-asset platforms built on microservice backends and multiple frontend applications, including a tokenization platform for one of the largest and most important companies in Italy, serving thousands of users and processing more than €500k in transactions. - Developed backend services and integration layers in Java / Spring Boot, Go, and Python, frontend applications in Vue.js, React, and Next.js, and cross-platform mobile apps in Kotlin Multiplatform. - Built smart contracts and blockchain components for tokenization, asset lifecycle management, custody-integrated workflows, and interoperability across public and permissioned networks. - Designed cloud infrastructure and automated delivery workflows across AWS, Oracle Cloud, and Azure using Kubernetes, Terraform, and CI/CD pipelines. - Implemented an internal agentic pipeline to assist pull request reviews through automated repository analysis and structured feedback. - Prepared technical analyses and architecture documentation, facilitated client workshops, and supported application and infrastructure migrations. - Mentored 2-3 junior developers and collaborated on several pre-sales proposals, defining technical solutions, scope, and delivery estimates.	

Freelance Developer	Sep 2016 – Feb 2020
Freelance Full-Stack / Mobile Developer · Remote	
Delivered client projects alongside university studies, including an ERC-721 product-authenticity system with a React web dashboard and React Native mobile app for Genuino World , and the official companion app for the board game 3 Secrets (DaVinci Editrice) , shipped on the iOS App Store and Google Play.	

SKILLS

Languages	Java · Go · Python · TypeScript · JavaScript · Solidity · PyTeal
Applications	Spring Boot · Vue.js · React · Next.js · React Native · Kotlin Multiplatform · Node.js
Blockchain	Ethereum / EVM · Algorand · Hyperledger Fabric · Hyperledger Besu · R3 Corda · Polygon · Gnosis Safe · Fireblocks
Data	PostgreSQL · MongoDB
Cloud & delivery	AWS · Oracle Cloud · Azure · Kubernetes · Terraform · CloudFormation · Docker · Jenkins · GitLab CI · GitHub Actions
AI-assisted engineering	Coding agents · Spec-driven workflows · Automated PR review

EDUCATION

Master's Degree in Computer Science (Software Techniques)	2016 – 2019
University of Bologna · 110/110 cum laude	
Thesis: <i>State channel on blockchain technologies: a case study on multiuser games</i>	
Bachelor's Degree in Computer Science	2012 – 2016
University of Perugia · 105/110	
Thesis: <i>Blockchain: Big Data Management</i>	
Erasmus+ exchange at Adam Mickiewicz University, Poznań (2015)	

CERTIFICATIONS & LANGUAGES

Professional Scrum Developer I (PSD I)	Italian	Native
Scrum.org · 2023	English	Professional working proficiency
Ethereum Developer Program Bootcamp		
ConsenSys Academy · 2019		