


# Gaetano Mondelli

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- Role: Blockchain Engineer · Software Engineer
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## INTRO

A computer engineer with a deep passion for decentralization, DeFi, and lawtech. I have invented Overledger, the first protocol for blockchain interoperability. This invention has led to a token that ranks among the top 30 projects by market cap (<https://www.coingecko.com/en/coins/quant>), distinguishing itself as a leader in its field. Currently, I am collaborating with one of the original inventors of blockchain technology on projects involving decentralized self-sovereign identity and filing my second patent.

## HONORABLE MENTIONS

- Won the first prize of Chainlink (interoperability track) 2023 with XTF a project that reinvents ETF in web3 <https://devpost.com/software/xtf>
- Developed and patented the Overledger protocol for blockchain interoperability, enabling communication between different blockchains and creation of workflows across multiple blockchains. The patent W02019106006 is available at [US20200311718A1](https://patents.google.com/patent/WO2019106006A1). The project's token reached a market cap of \$5 billion and was ranked in the top 30 most valuable tokens in June 2021. Currently working on a new follow-up patent.
- Created Solitude, an open-source framework for developing, testing, debugging, and deploying smart contracts on the Ethereum blockchain. It is accessible at [solitude-ethereum.xyz](https://solitude-ethereum.xyz), and the Visual Studio Code extension has been downloaded over 2200 times, available at [Visual Studio Marketplace](https://visualstudiomarketplace.com).
- 10x hackathons winner (Polygon, ImmutableX, Ethereum Foundation [ETH GLOBAL], Encode, Ripple) with the DeFi, NFT and MACI (zk anti-collusion voting) projects in 2021, 2022 and 2024.
  - <https://blog.chain.link/constellation-hackathon-winners/>
  - <https://flare.network/flare-hackathon-highlights-eth-oxford/>
  - <https://ethglobal.com/showcase/hashi-xtf-85rfn>
  - [https://www.linkedin.com/posts/easya\\_xrp-xrp-xrp-activity-7185968249539338240-hPnS](https://www.linkedin.com/posts/easya_xrp-xrp-xrp-activity-7185968249539338240-hPnS)

## WORK EXPERIENCE

### Aikon, San Francisco [REMOTE]

#### HEAD OF BLOCKCHAIN

April 2023 - Present

- Developing digital identity products utilizing multichain protocols across prominent blockchains such as EVM, EOS, and Algorand.
- Bridging the gap between blockchain technology and user-centric solutions.
- Working with W. Scott Stornetta (inventor of blockchain and most quoted person on Satoshi BTC paper) on web3 self-sovereign identities.

## **Dachain, London, United Kingdom**

### **HEAD OF BLOCKCHAIN**

*May 2022 - April 2023*

- Established a new brand EVM compatible blockchain and created a migration strategy for existing tokens and NFTs.
- Developed contract deployment strategy pipelines (Hardhat, Scaffold, Waffle).
- Implemented and audited smart contracts for brand marketplace and NFT standards (ERC721, ERC1155).
- Designed a dedicated blockchain explorer to visualize and explain concepts to both experts and non-experts.

## **Rocket Lawyer, London, United Kingdom**

### **SENIOR BLOCKCHAIN ENGINEER**

*August 2021 - May 2022*

- Learned about the legaltech industry in the blockchain space.
- Designed smart contracts for legal tech products and underlying infrastructure.
- Developed API solutions for safe contract escrows.
- Integrated with payment gateways and compliance flows (Stripe, Circle, Nuvei).

## **Amazon - Prime Video, London, United Kingdom**

### **SOFTWARE DEVELOPER ENGINEER**

*March 2020 - August 2021*

- Designed and built infrastructure for global tests for streaming apps (Prime Video, Music, Twitch).
- Worked with AWS Cloud services, Docker, AWS ECS, AWS Lambda, Typescript, Python, React.
- Owned Amazon processes and mentored young engineers.
- Acted as the team Scrum Master, facilitating Agile practices.

## **Dyson, Bristol, United Kingdom**

### **CLOUD/DEVOPS ENGINEER September 2017 - March**

- Work as a key member of a SAFe agile development utilising Scrum based methodologies and tools.\*
- Developed, tested, deployed and monitored existing or new features using C#, ASP.NET and .NET core framework, NodeJS, Python and a range of dev tools
- DevOps practices working with pipelines and automation processes and tools e.g. Docker, Jenkins, Bamboo, Octopus.
- Designed and implementation software with SOLID principles and architectures using AWS cloud modules.
- Testng with TDD and BDD approaches: unit testing, module testing, end to end testing and load testing.
- Architect serverless and container based cloud solutions to improve service scalability

## **University College of London, London, United Kingdom**

### **UCL CBT - RESEARCH CENTRE FOR BLOCKCHAIN TECHNOLOGY**

*February 2017 - December 2017*

- Collaboration with the institute for exploring new approaches to blockchain interoperability and scalability using my experience in decentralized systems.

## **EDUCATION**

### **Encode Bootcamp [Remote]**

#### **ZK Bootcamp**

*February 2024 - April 2024*

An intensive bootcamp focusing on Zero-Knowledge Proofs, encompassing both the theoretical underpinnings and practical applications. Topics covered included zk-SNARKs/zk-STARKs and technologies like Zokrates, Cairo, Noir Circom and SnarkyJS, and the use of ZK proofs in blockchain and DeFi. Project:

- ZK Bytecode verifier: <https://github.com/ksavul/zk-bootcamp-final-project>

### **Polytechnic University of Turin, Turin, Italy**

#### **M.Sc. Digital Systems Engineer and B.Sc. in Computer Engineering**

*September 2012 - December 2017*

- Covered Distributed Programming, system programming, user/kernel, computer-network protocols, computer security, database management systems, Web services, and data-mining. Included hardware description techniques in automated synthesis and optimization context.

### **Imperial College London, United Kingdom - Executive Course**

#### **Business & Strategy**

*July 2016 - September 2016*

- Gained insights into business strategy tools and frameworks for project management and planning in the tech sector.

### **The London School of Economics and Political Science (LSE) - Executive Course**

#### **Cyberlaw**

- Studied Information Technology Law, digital environment regulation, Lessig's Code is law theory, machine learning and algorithmic decision-making, GDPR policy making, and the evolution of contracts in the digital age.

### **Stanford - Executive Course**

#### **Product Management**

- Developed skills in building and managing product roadmaps, team formation, product positioning, and creating processes for building customer demand and retention.

[Full list of certifications and courses](#)