

Gaetano Mondelli

- **Website:** gaetanomondelli.github.io
 - **Role:** Blockchain Engineer · Software Engineer
 - **Contact:** (+44) 742 44 23 507 | gaetano.mondelli@gmail.com
 - **Github:** [gaetanomondelli.github](https://github.com/gaetanomondelli) | [linkedIn](#): gaetano-mondelli

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 WO2019106006 is available at [US20200311718A1](#). 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](#), and the Visual Studio Code extension has been downloaded over 2200 times, available at [Visual Studio Marketplace](#).
 - 10x hackathons winner (Polygon, ImmutableX, Ethereum Foundation [ETH GLOBAL], Encode, Ripple) with the DeFi, NFT and MACI (zk anti-colussion 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/hash-i-xtf-85rfn>
 - 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 Sathosi 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, Skaffold, 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.
- Testing 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](#)