



Souhail AIT LAHCEN
Student in engineering school
Looking for first job

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EDUCATIONS

2018 - 2023 : ESILV, Paris, France - M.Sc. in Financial Technology

Software and Blockchain engineering : Operating Systems, Web Development, Blockchain programming, Cloud Architectures, Finance, ML.

Sep 2022 - Jan 2023 : Mälardalens Universitet, Sweden - Study Abroad

Data analysis, clustering and classification; Project in Co-creation from a Human Centered Design Perspective; Learning Systems; Innovation and Creativity Management.

EXPERIENCES

Feb 2023 - Aug 2023 : Full Stack/Blockchain Developer at SOCIETE GENERALE (Inspection/Audit) - Internship

- Development of a Next.js web application to promote decentralised governance within Société Générale's **Audit** departments and the **Datalab**.
- Creating and integrating **smart contracts** (ERC20 token, voting contract : using the **Conviction Voting Mechanism**, DAO). Creation of an **API/Oracle** and other **APIs** to interact between the application, the blockchain and the databases (**MongoDB**).
- As part of an audit mission, design and develop of a web application with Next.js for the **Audit team**, setting up and communicating with scripts in **R** and **Python**, enabling the data from the scripts to be displayed. Creation of data mining scripts in **R** and **Python** for the mission.

Apr 2022 - Aug 2022 : Consulting Engineer for IRPA at SAP - Internship

- **Development of automations** (*IRPA: Intelligent Robotic Process Automation*) as part of **SAP Cloud** and **Desktop infrastructure**, Development of automations for data security and process efficiency.
- Adaptation of the IRPA tool for use on different types of websites and Creation of internal tools, documentation and tutorials.
- **Customer Supporting** customers and reporting problems to the development teams.

Sep 2020 - Dec 2022 : Start-up Experience

- **Sep 2021 - Dec 2022, Part-time, Nefture (This start-up is currently incubated at Station F in Paris) - In NFT field** : Creation of a Web App allowing better visibility of assets in a simple, fast and secure way (**React**) & **CyberSecurity** in the NFT world : The aim is to create a pseudo-Instagram for NFT owners, with security features to prove their authenticity.
- **Sep 2020 - Jun 2021, Start-up Creation, Qrypt'ID - In Digital identity field - 2nd in the Start-up Challenge and finalist in the Berger-Levrault City'Zen Challenge** : Launch of a digital identity project using **QR code** and **RSA encryption** to dematerialise identity cards via a Mobile App (**Xamarin/C#**).

Apr 2020 - Apr 2022 : Robotic Association, DaVinciBot

- **Apr 2021 - Apr 2022, Co-President** :
 - o **Co-direction** of an association of 80 members (manage the various members of the association's executive committee, the realisation of our vision and certain sensitive aspects of the association) and **Management** of various technical projects and treasury (~17000€).
- **Apr 2020 - Apr 2021, Vice-President Project and Event manager** :
 - o **Logistic and Project manager** : 3 different projects : participation in the French Robotics Cup (with two robots), the Rover project (an amphibian rover), InMoov (a humanoid robot). **Managing** the various project managers.

Skills

Languages : Intermediate English B2 Level (English Language Certificate 2021 - TOEFL ITP score : 563/677) & Spanish A2 Level

Hard Skills :

- **Fintech** : Solidity, Foundry, EthersJS/web3, Cairo, Move, Subgraphs (The Graph)
- **Software Engineering** :
 - o **Programming, web technologies and Databases** : C#, Python, JavaScript, TypeScript, Node.js, HTML/CSS/PHP, React, Next.js, Kotlin, Java, Rust, SQL/MongoDB, ArangoDB, Redis, Bash, .Net, WPF (XAML), Xamarin
 - o **Dataflow, deployment and monitoring tools** : Docker, Apache Kafka (and Confluent), Apache Camel, Nginx, Jest, Kubernetes, AWS, SonarQube/Grafana, CI/CD (Jenkins/GitHub Actions)
 - o **Development tools & Other** : Linux, Git/GitHub/GitKraken, Arduino, MATLAB, Solidworks, LaTeX, Microsoft Office, Raise 3D

Area of Interest

Meetup & Hackathon :

- **Meetup Web3** : Meet other programming and blockchain passionate at Meetup events.
- **ETHOnline 2022 (ETHGlobal)** : Startup-forge, a web3 based open source marketplace for creating VC funds and startup funding mechanisms.
- **ETHGlobal Paris (Hacker) 2023** : Creation of web app about a voting system but using zero-knowledge proof (with Sismo) but also EAS (Ethereum Attestation Service) to keep the anonymity of voters but also to prove that they voted without disclosing any address.
- **Superhack 2023** : A web app enabling the creation of a wallet linking several people with or without several types of rights available, using the account abstraction (EIP-4337).
- **zklgnte Cohort (Mina)** : Creation of an advertising solution to create a more secure and private advertising platform. Our solution uses Zero-Knowledge Proof (ZKP) to allow advertisers to target specific audiences without collecting or exposing personal data.

Sport : Club football: Ulis CO, competing in the Léo Football Cup (the largest futsal competition in Île-de-France)