

# Nikola Slavnic | Software Engineer

📞 06.87.75.53.82 • ✉️ slavnic.n@gmail.com • 🌐 www.linkedin.com/in/nsla

## Summary

An enthusiastic blockchain developer with a strong interest in security/cryptography and all innovation. Always looking for challenges and new way to improve.

## Experience

Since March 2022 **Blockchain Software Engineer**, *Eniblock*, Paris.

- Tokenization of asset with a mutli-signature smartcontract
  - Permissioned and upgradable ERC-20 smartcontract
  - Custom upgradable multisignature smartcontract
- Worked with a client to build a real estate token and integrate it on AAVE
  - Forked of the AAVE protocol with the real estate token added
  - Simple mintable/burnable ERC-20 representing the real estat asset
  - Smart contracts deployed on Goerli and Mumbai testnet and the Dapp on Vercel
- Implementation of a Dapp in React integrating the EIP-712 and a smart contract that verify the signature
- Worked on fully on-chain marketplace smart contract prototype
- Test implementation and integration to CI/CD for several projects
- Tech watch on blockchain eco-system and knowledge sharing/presentation within the team
- Conducted interview for new blockchain developer recruits

2015-2022 **Software Engineer in Digital R&D**, *Gemalto/Thales*, Paris.

- Lead dev on Biometric product, integration of facial and iris biometry algorithm
- Implementing a proof of concept on post-quantum cryptography algorithm (LMS, Crystals-Dilithium) in order to prepare products for quantum threat
- Implementing and improving test suite for identity cards products

Mars-Aug 2015 **Intern Software Developer**, *Gemalto*, Paris.

- Developing a gateway prototype that analysis and secures transactions between a user and Cloud services. The security is performed using Homomorphic encryption scheme.

## Education

2012-2015 **Master**, *ENSICAEN*, Caen(France).

Computer science engineering diploma (eq. Master CS) focusing on Software Engineering with a specialization in Computer Security

2014-2015 **Master**, *UNICAEN*, Caen(France).

Double degree in Computer Science, focusing on algorithmic and advanced cryptography

2010-2012 **Preparatory Class**, Paris(France).

Intensive lecture in advanced mathematics and physics for the challenging entering test in Engineering school

## Computer skills

Programming Solidity, Javascript, Python

Web React, Nodejs

Cryptography PQC, Signature, Sym/Asym

Framework Hardhat, Foundry, Tenderly, Truffle

Library Ether.js, OpenZeppelin, Alchemy, GnosisSafe

Other Ethernaut, Smart contract Audit, Technology watch

## Soft skills

Languages French, English, Serbian

Hobbie Martial Art, Yoga, Coffee Geek