

# PÉTER ÚJVÁRI

Ethereum / Solidity architect (10y) · \$100M+ value secured · Agentic tooling

Péter Újvári

Copenhagen, Denmark / remote

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## SUMMARY

Ethereum smart contract architect/engineer with 10 years in the Ethereum ecosystem and 12 years of professional software experience overall. I build production-grade DeFi systems end-to-end: translating product ideas into smart contract architectures, implementing them safely, and hardening them through testing, audit response, and incident response.

- Built and maintained production contracts securing **\$100M+ in value**
- Strong experience in **incident response, hardening, and safety-by-design**
- Testing-heavy: **mainnet-fork testing, invariants, fuzz/property-based testing**
- Experience with **ethers.js, Hardhat, Foundry, Tenderly**
- Early adopter of **agentic coding tools** to accelerate planning, testing, hardening
- Strong practical foundations in **cryptography** and threat modeling
- **Computer science and engineering** background
- **Linux and CLI-native**

Interested in: Permissionless systems, decentralization, privacy tech, ZK, and applications where on-chain primitives unlock genuinely novel value.

Open to: Senior/Lead roles in **Solidity, protocol engineering, or smart contract security** – Copenhagen (hybrid) or remote.

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## EXPERIENCE

**NFTfi** – Senior Smart Contract Developer

Jul 2021 - Present | Remote

- Core architect and primary builder of NFTfi's smart contract system for **NFT-backed P2P loans**, from design to production releases
- Maintained and upgraded contracts securely escrowing high-value NFT collateral, including **tokenized / RWA-style assets**
- Designed deployment and migration flows for frequent upgrades while minimizing user disruption
- Improved gas efficiency and reduced required user interactions
- Built hardening workflows: **mainnet-fork tests, invariants, fuzz/property-based testing, audit response, incident response**
- Collaborated closely with product, frontend/backend teams, and external auditors
- Shared knowledge internally on Ethereum, cryptography, and smart contract architecture

- Delivered advanced protocol features including **flashloan-based refinancing, Merkle-tree and oracle-backed token distribution, BoringVault-style vault integrations**
- Designed and implemented competitive migration mechanisms to attract users from competing protocols

**Unslashed Finance** – Smart Contract Architect / Developer

May 2020 – Jun 2021 | Remote

- Employee #2 at an early-stage DeFi insurance startup
- Contributed a substantial part of the smart contract architecture and implementation
- Helped build a production protocol that reached **\$160M+ TVL** at peak

**MakerDAO** – Software Developer

Aug 2018 – Dec 2018 | Copenhagen

- Developed internal tools and created user-facing guides and tutorials

## **EARLIER EXPERIENCE**

**Galaxis Network / Solidity Services** – Founder & Smart Contract Architect / Consultant | Mar 2018 – Dec 2019 | Budapest / Remote

Founded and built a DeFi portfolio management project (Galaxis Network); in parallel consulted on blockchain projects – designing smart contract architectures, delivering development work and training (Solidity Services).

**EPAM Systems** – Software Engineer | May 2016 – Mar 2018 | Budapest

Blockchain Competency Center: research, proof-of-concepts, and internal training.

**Rubin Informatikai Zrt.** – Junior Software Developer | Oct 2014 – Apr 2016 |

Budapest

Backend features for a telecommunications service in Java/Spring with Oracle DB.

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## **EDUCATION**

DTU – Technical University of Denmark

Master's programme, **Space Engineering and Mathematical Modeling** | 2020 – 2022

Budapest University of Technology and Economics

**BSc, Computer Engineering** | 2011 – 2016

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## **SKILLS**

core: Ethereum · Solidity · Smart Contract Design · Software Architecture · Smart Contract Testing · Agentic Coding · Cryptography Fundamentals

tooling: Hardhat · Foundry · ethers.js · Tenderly · JavaScript · Python · Linux · Git

earlier: Java · C# · C · C++ · SQL · Erlang · Prolog

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## **LANGUAGES**

English – Professional working

Hungarian – Native / bilingual

Danish – Intermediate

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