MBN-TECH ACADEMY

MBNTech

Blockchain Training Program

What is MbnTech Training Program?

MbnTech Training Program is a series of five intense crash courses on blockchain development, in a period of 10 weeks, meant to prepare a developer, or a department to start professionally developing smart contracts in Solidity, on the Ethereum blockchain (or any other EVM compatible network).

MORE DETAILS

How can a developer become a blockchain engineer in 5 courses?
Is that possible?

The courses are meant to introduce the developers to five major areas of the blockchain industry:

DeFi

NFTs

Solidity particularities, in-depth analysis of the programming language

Coding environment, libraries, and additional helper frameworks or plugins

Higher-end platforms and integrations.

The **courses have a hands-on approach**, getting them ready to start implementing smart contracts in which they can practice what they've learned in the course.

Assignments are vital for the learning process. With each course, the devs will implement a high difficulty and encompassing assignment which will serve as their first real-life product.

Yes, it is possible, by following the right schedule, to turn a developer into a blockchain engineer in 10 weeks.
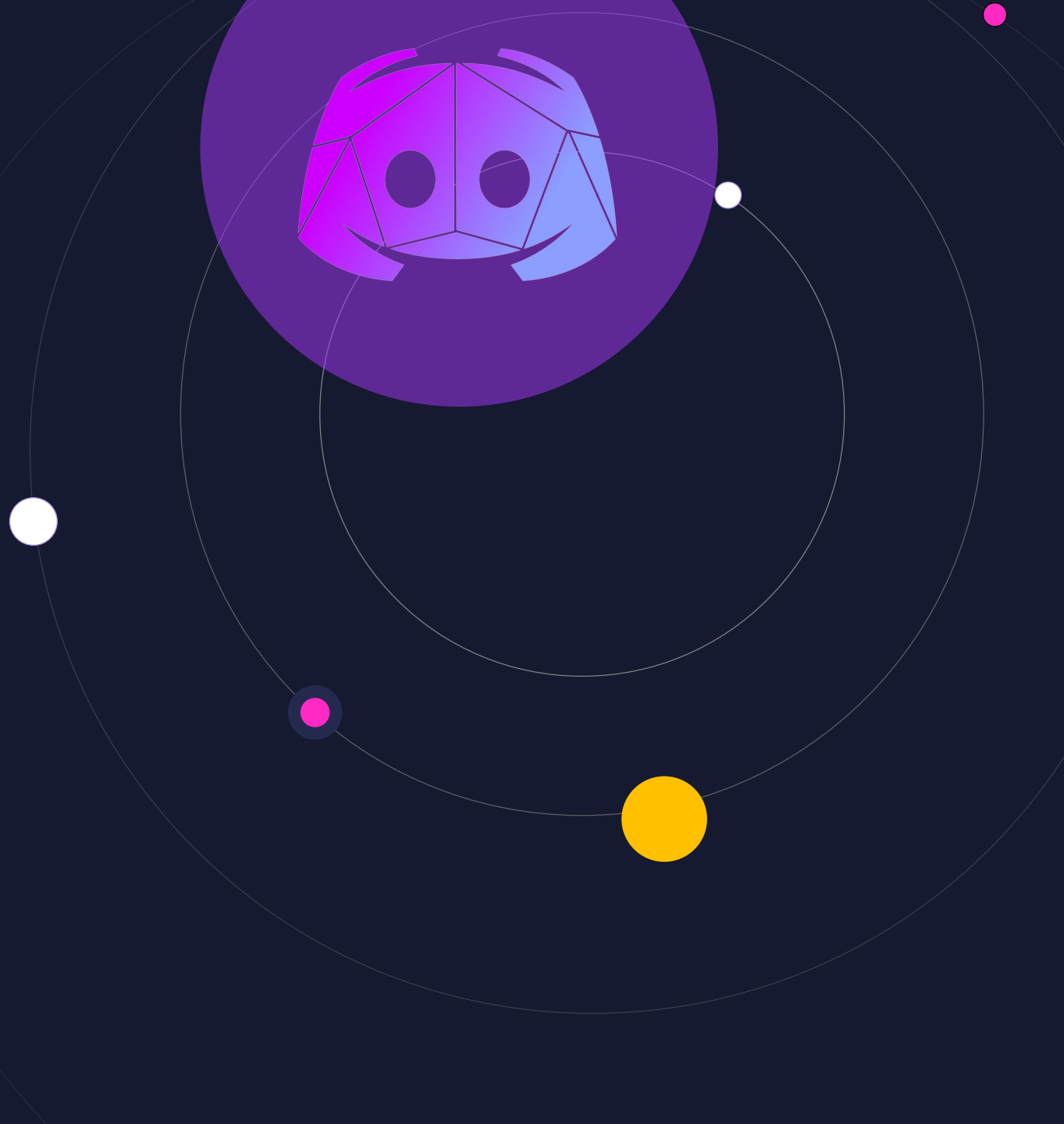
Where will the courses be held?

We have a Discord group in which we invite all the participants.

The courses will be held on Discord.

Aside from holding the courses there, our Discord Channel is a place of learning, in which the developers can freely discuss with each other, but also rapidly reach out to one of the teachers for clarification regarding assignments or other general questions.

What are the **assignments**?
What if the developers aren't able to tackle them?

The assignments are lightweight DAPPs meant to have practical usefulness and simulate a real-life blockchain application that might be solicited by an employer.

The requirements are exactly what a real-life production-ready DAPP would have, and the difficulty is higher than your day-by-day blockchain assignment.

We've also handpicked the requirements, such that the assignment will provoke the incidence of the most dangerous mistakes encountered in Solidity development.

If an assignment proves too difficult for certain candidates, we try to aid them in finding a good solution. If that also fails, we walk them through the proper solution, step by step.

Result Code

1
2
3
4
5

Can anyone join the courses?

No. Blockchain experience isn't a must, but we only recommend developers with good experience in web programming to join.

The courses would move too fast for people who are new to programming, and we consider general programming and web experience as a given when starting the courses.

What's the learning path?

We tried to fit everything relevant to the blockchain industry into 5 courses:

BLOCKCHAIN Status Quo

1. Blockchain: More than a buzzword
2. Ethereum, EVM-compatible blockchains
3. The first contract deploy
4. @openzeppelin, hardhat
5. Blockchain as a client
6. Understanding the huge centralized component of Blockchain

DeFi: AMM, Staking & More

1. Swap instead of Order Book: Understanding AMM
2. Impermanent loss and other drawbacks of AMM models
3. Practical swap: Build a Uniswap Router
4. Staking: from classic APR to advanced reward claiming optimizations

Security traps and how to avoid them

1. Common mistakes in Solidity
2. Common best practices in Solidity
3. Missing features in Solidity & Blockchain, and how to overcome them

What's the learning path?

NFT World: Infra & Community

1. Mint/Reveal lifecycle
2. Assets storage architecture
3. Deep dive into minting options • preminted, instant reveal & ECDSA key
4. Community • avoiding scams when flipping
5. Hunting alphas • how should a good community look like?
6. Specific Case Study • Wolf Game

Higher-end platforms • Blockchain integrations: Semi-DApp & Layer 2 Multi-Chain Software Architecture

1. Signature-JWT exchange in web applications
2. Functional NFT: Ownership proofs for Software Licensing
3. Adjacent web technology working in conjunction with Blockchain technologies
4. Specific Case Study: Metascraper
5. Bringing high performance into blockchain applications: Semi-DApps
6. Binding multiple EVM blockchains to a semi-dapp
7. Bridging tokens
8. Centralized agents in decentralized ecosystems
9. Debate: how to achieve trust in centralized agents?

Who are the Teachers?

MbnTech is one of the biggest blockchain development companies in Romania. We have over 20 professional blockchain engineers. We've been involved in the blockchain space since 2017 and we worked with some of the biggest names in the industry. We have done a selection of four blockchain engineers (including people from the top management level) that would be best suited to apply their skills in teaching new developers how to program on the blockchain.

Vlad Sas

Vlad is involved in the blockchain industry since early 2016. He participated in the creation of products in every area of the blockchain, including centralized exchanges, launchpads, DeFI, NFT, Lotteries, High-End platforms integrated with smart contract suites, and more. He is currently developing his own blockchain platform and token, working with some of the most prolific venture capitals, incubators, and launchpads out there. Vlad helped with teaching a significant part of the MbnTech staff to work in solidity and deliver top-quality products. He teaches the public about blockchain and solidity on his Youtube Channel, SolTouch.

Daniel Dobos

Daniel is a cryptography professor at the university of computer science in Bucharest. He activates in the cryptocurrency space since early 2017. He participated in the development and management of blockchain platforms, trained and prepared teams of developers to tackle complex projects for big names in the industry. He is currently dedicated to teaching and researching a universal layer 0 solution for the major blockchain networks.
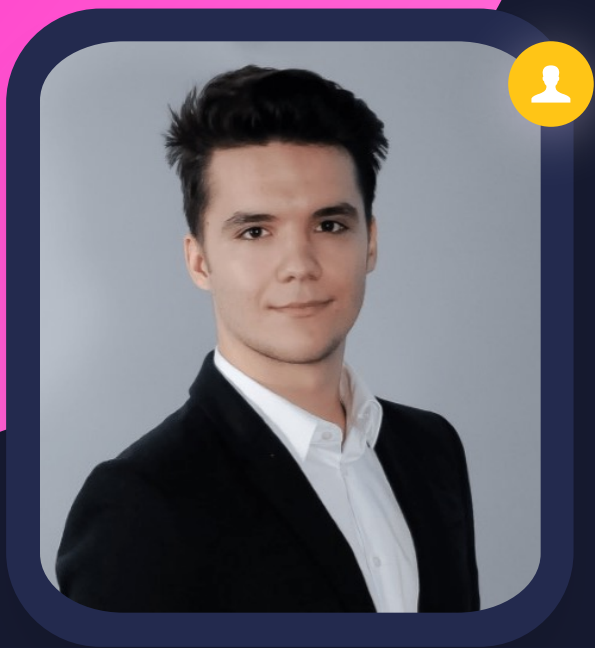
Rares Codrin

Codrin is a veteran in the Romanian crypto-space. His goal for the last five years has been to try to increase the adoption of blockchain technology in his country. Recently, he co-founded a centralized cryptocurrency exchange, as well as an NFT metadata crawler platform that aims to provide competitive advantages to its users when acquiring digital assets. Nowadays, he is heavily involved in the NFT market, building tools and educating enthusiasts and developers alike with regard to the subtleties of this brand new intriguing domain. He is always studying and trying to stay in tune with the ever-accelerating world of NFTs and Metaverse.

Alex Bujor

Alex is a blockchain engineer since 2018 and has been working with complex high-end platforms. From supply-chain management to art, Alex has designed and implemented several products to address and solve hot issues that those industries are currently facing. Right now, he is currently working on a complex blockchain platform that targets to solve one of the biggest issues that the ever-growing gaming industry faces - ownership. Being on the bleeding edge of this metamorphic industry takes dedication, knowledge, and vision. Alex acquired these skills during his 6 years of building software products in the Web2 ecosystem, prior to working with blockchain technologies.

What are the **costs** involved?
Why should I enroll my developers?

The cost is 2,500 EUR/developer.

Blockchain and solidity are here to stay. The market is in an ever-growing demand for good blockchain developers. On average, the same web developer that transitions toward blockchain development earns around 40k$/year for its company. That's only when factoring in the outsourcing potential. In reality, training your developers to tackle blockchain can be priceless.

Investing in the growth of your software department is always a smart choice if the people are going to stick with you for the long run.