

# Alexandru Cambose *Senior Software Engineer*

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## Profile

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As a software engineer with over 6 years of experience, I excel in both frontend and backend development, with particular expertise in Web3 and blockchain technologies. I have deep knowledge of TypeScript, React, NextJS, Node.js, NestJS, and more, coupled with experience in team leadership, planning, and mentorship. Passionate about innovation and teamwork, I eagerly embrace new challenges and am committed to learning and growing in the ever-evolving tech landscape.

## Professional Experience

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2021/09 – 2023/08

### Senior Full-Stack Engineer

Remote/Singapore

*Rolla Finance* [🔗](#)

I've worked on different projects over time, DeFi crypto options exchange, DeFi option-based yield generation app, ERC 4337 based DeFi price prediction app using spreads and digital options.

Key Responsibilities:

- **Lead Frontend Developer** with contributions to frontend, backend, and mobile development.
- Developed **custom packages** to facilitate functionality sharing across apps, including state-management, authentication, smart contract interactions, abstracting and reusing functionality across microservices.
- Integrated **authentication methods**, such as injected wallet, WalletConnect V2, and private key for both web and mobile platforms.
- Implemented **option-based RFQ systems** to connect different entities with the product and achieve performant quoting via Redis, Kafka, and Websockets.
- Integrated **bridge aggregators** for in-app asset bridging and swapping between chains.
- Developed **custom charting solutions** for complex data visualization, including option payouts and user trades.

2020/11 – 2021/02

### Senior Full-Stack Engineer

Remote

*InstantOption*

I've worked on a decentralized binary options protocol.

Key Responsibilities:

- **Led frontend and backend development**, overseeing the integration of the frontend with on-chain smart contracts.
- Developed **custom charting solutions** for displaying user trades.
- Implemented various **authentication methods**, including injected wallet and social logins.

2018/10 – 2020/06

### Senior Full-Stack Engineer

Remote

*MixDice*

I've worked on a cryptocurrency-based gaming platform.

Key Responsibilities:

- **Led the project development**, responsible for both front-end and back-end web development.

- **Implemented Bitcoin and Ethereum deposit/withdrawal/wallet systems** for users and administrators by setting up BCoin and Geth nodes.
- Implemented a **provably fair random generation system** for transparent and fair gameplay.
- Established **real-time websocket-based communication** for different sections of the app.

2018/09 – 2019/10  
Remote/Iasi, Romania

### Fullstack Developer

*Cult Of Coders* [↗](#)

I've worked on different **outsourcing projects and companies**, including a **US startup**.

- Responsible for both **front-end and back-end web development**, handling the full spectrum of software development tasks.
- Worked **closely with clients** in an agile environment, establishing objectives and delivering incremental software updates.
- Collaborated with the **engineering team** to design and launch new features, contributing to product development and innovation.

## Education

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2018 – 2021  
Iasi, Romania

### Bachelor of Science (B.S.) Computer Science

*Faculty of Computer Science „Alexandru Ioan Cuza”* [↗](#)

My final year thesis was building a **decentralized system for supply chain traceability**. <https://proofchain.alexcambose.ro/>

## Organizations

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2019/03 – 2020/11  
Iasi, Romania

### ASII - Iasi Informatics Students Association, [asii.ro](http://asii.ro)

*IT Department*

Led the development of a few projects for the association, such as FiiCode (<https://fiicode.asii.ro/>) and FiiPractic (<https://fiipractic.asii.ro/>).

## Awards

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2018/08

### Won first place in the 24 hours Fii Practic Hackathon [↗](#)

*Fii Practic*

I've built a social network for facilitating communication between teachers and students in 24 hours.

2018

### Won fourth place out of 51 projects [↗](#)

*TechSoup Europe - Opening Opportunities*

Won fourth place out of 51 projects in the Opening Opportunities contest and traveled to Bucharest, Romania to pitch the project in front of an audience. The project was a HTML and Javascript game.

2018/04

### Won second place in the 12 hours IT Marathon [↗](#)

*League of Students of the Faculty of Automation and Computers from Iasi*

I've built a platform where veterinary doctors and pet owners could schedule appointments and share medical information. The project was built with VueJs, PHP, and Laravel.

## Interests

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- Web3
- Blockchain
- Ethereum
- Fintech
- Finance
- NFTs