ALEX TURBUT

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Software Engineer

EMPLOYMENT HISTORY

Blockchain Full Stack Developer

TrustPass | Jun 2024 - Dec 2024

Trustpass is a data security startup that aims to improve the digital identity market by leveraging decentralization, zero-knowledge architecture and blockchain thechnologies.

Engineered backend API infrastructure and workflows for identity verification and password management, integrating blockchain technology to enhance security and data integrity.

Participated in a startup incubation program, successfully securing initial seed funding during the first round.

Technologies: Spring Java, Docker, Microservices, EVM, Web3, Angular

Blockchain Full Stack Developer

Unibit | Aug 2022 - Jan 2023

Contributed to the development of a decentralized exchange, focusing on secure transaction processing and compliance with regulatory standards. Designed and implemented backend flows for core exchange functionalities, including user authentication and transaction management, across a microservices architecture. Also developed front-end components to support seamless integration with backend APIs.

Technologies: Java Spring, Docker, Microservices, Web3, EVM, React, Next.JS, PostgreSQL, Mantine,

Blockchain Developer-Internship

Unibit | Aug 2021 - Oct 2021

Built an NFT marketplace from scratch where I started developing towards my industry knowledge of the used technologies

Technologies: Web3, EVM, Node.Js, React

Software Developer

Broadridge Financial Solutions | Mar 2023 - Present

Contributed to the development of a Middle Office solution for major banking institutions, significantly enhancing system efficiency through optimized resource utilization and multithreading techniques.

Led the migration of the Middle Office solution into a standalone microservice within a distributed system, decoupling it from the Trading platform to support significantly higher trading volumes. Played a key role in designing and implementing an efficient, fault-tolerant event routing mechanism using an in-house publish-subscribe architecture, ensuring reliable communication across services under high-throughput conditions.

Technologies: Kotlin, Java, Docker, Microservices, GRPC, Groovy, React, FIX Protocol, Banking Back Office, Banking Middle Office

ACADEMIC PROFILE

Babes Bolyai University (2021 - 2024)
Bachelor's Degree, Computer Science

Developed an authentication mechanism for my Bachelor's Thesis that utilizes Ethereum addresses for identity validation, enhancing security and decentralization.

Babes Bolyai University (2024 - 2026)
Master's Degree, Data Science

College Scholarship

Top 30 students from bachelor's program qualified for performance scholarships

3rd Place

National Science Creativity Olympiad | Jun 2019

SKILLS

- Industry level Kotlin and Java
- EVM, Web3, Blockchain
- Spring Stack
- Gradle, Docker
- React, Next.Js, Angular
- Rest APIs, GRPC
- PostgreSQL

LANGUAGE SKILLS

- Romanian(native)
- English(C1)
- Spanish(beginner)