

**EDUCATION****TOBB Economy and Technology University**

Ankara, Turkey

*B.Sc in Industrial Engineering; GPA: 3**Sep. 2020 – June. 2024 (expected)***EXPERIENCE****Scouthub**

September 2022 - January 2023

*Fullstack Software Engineer*

- **Next.js / React.js:** Next.js is the one of the best frontend framework on industry with a lot of game changing features. I developed my frontend code with Next with Typescript and run a small team. Especially with SSR/ISR features I optimized codebase. Also I created analytics dashboard for start-up.
- **Node.JS:** Worked as a backend engineer with Express.js and created 2 service, one of them for NFT / Image processing, other one for new league API. Backend powered with Amazon RDS and this api is actively used for new league in production.
- **PHP:** Opta is a data platform for providing real time football data. And Scouthub's opta backend system was written in PHP. I created some useful endpoints in PHP.

**V1**

August 2022 - December 2022

*Fullstack Web3 Engineer*

- **Summary:** I developed multifunctional DEX based on 1inch Aggreagator that you can buy ENS, NFT etc.
- **Frontend:** I developed my frontend code with Next with Typescript. Also used tailwindcss for styling. Metamask and signature strategy (EIP-712) for authentication. And ethers.js for blockchain transactions.
- **Solidity:** I developed smart contracts for project with latest version of Solidity. Using hardhat as a Solidity with Typescript on backend. I worked for txn gas optimization and nearly %30-60 gas optimization for each operation.
- **Nest.js, Python:** I developed backend services with Nest.js with Typescript for additional web2 support. For automate some tasks I used FastAPI.

**Proofpublish**

December 2023 - January 2023

*Software Project - Freelance CTO*

- **Summary:** Proofpublish is a NFT marketplace platform that you can prove sell your publishes. I designed system and build whole codebase as asked.
- **System Design:** I designed system for Minimum Viable Product. I designed system based on 4 parts. Frontend, Web2-Backend, Web3-Backend, Storage and Security of the content.
- **Frontend:** I developed frontend with Next.js with Typescript. Used SASS and Tailwind for styling, Ethers.js for to get interaction with smart contracts. Also used React context hook, Metamask signature and Cookie for authentication system, Next.js Middleware for some routing operations.
- **Web2 Backend:** To not bound the application on servers and also due to storage of the document like metadata of extra content, BaaS service Firebase was a great choice to depend on.
- **Web3 Backend:** I developed Smart Contracts with Solidity and Hardhat (with Typescript) as a backend framework. There is two contract written, one for ERC1155 NFT standard and the other one for Marketplace. Also implemented unit testings with jest.
- **Content Storage and Security:** Content is only reachable with ERC1155 NFT. To keep decentralization, the storage system depends on IPFS, but for make contents private, content is stored in IPFS encrypted.

**DataFlex***Software Project - CEO/CTO*

June 2022 - December 2022

- **Purpose:** Making data automation based projects, to companies and government.
- **Project 1: Blockchain Advertising Company:** Using Scrapy as a webscraper, FastAPI as a backend service for scraper. Worked with 4 blockchain websites by executing 4 parallel tasks. Using Google Scheduler to keep data fresh. NextJS for FrontEnd. Scraping nearly 2k potential client data in 30 seconds.
- **Project 2: Ankara Pharmacy Room (Government):** A system catching illegal medicine selling from e-commerce websites. Using BS4+Threading for webscraper. Filtering with Jaro-Winkler distance to find product name changes. Searching for 30k medicine from 8 websites under 8 minutes.

**PROGRAMMING SKILLS**

- **Languages:** SQL, NoSQL, Python, Javascript, TypeScript, ReactJS, NextJS, Solidity, Go, Rust, AWS