



# SEFA EMRAHOĞLU

## FRONTEND DEVELOPER

### Summary

Frontend Developer with 5+ years of experience designing and building high-performance web applications using Vue.js, Nuxt.js, React.js, and JavaScript. Adept at translating business requirements into efficient and maintainable code while prioritizing clean coding principles and industry best practices. Proven track record of reducing errors, improving application performance, and delivering user-centric solutions. Passionate about staying current with emerging technologies and fostering collaboration in Agile teams.

### Experience

#### Hepsiemlak

##### Frontend Developer (2022 April - Present)

Contributed to the development of the Account Panel (Vue 2) and Payment Application (Vue 3). Collaborated with the team to migrate the Account Panel from Angular to Vue.js, achieving over 95% code coverage with Jest and significantly improving error rates in Sentry. For the Payment Application, participated in redesigning the platform using Vue 3, leveraging Pinia for state management and implementing cart and payment workflows. Focused on maintaining high code quality and adhering to best practices throughout the development process.

Key technologies utilized: Vue.js, JavaScript, Jest, SCSS, Sentry, and Sonar.

##### Scrum Master (2024 July - Present)

As a Scrum Master, I ensured the team adhered to Agile principles, managed sprint processes, and facilitated meetings to foster communication and collaboration. I resolved impediments quickly, optimized processes through data-driven analysis, and led targeted retrospectives to drive continuous improvement.

#### Eralp Software

##### Frontend Developer (2020 August - 2022 February)

Experienced in developing projects using JavaScript frameworks like Vue.js and Nuxt.js, with expertise in integrating web3.js for Ethereum, Polygon (MATIC), and Solana blockchains. Led the development of minting websites for NFT projects, including NFT Bricks on Polygon and a hand-drawn raccoon NFT project on Solana, focusing on blockchain interactions and wallet integrations. Contributed to the creation of an MVP cryptocurrency exchange, integrating real-time data via the Binance API and presenting it through TradingView charts. Developed NFT Creed, a multilingual, multi-currency platform for NFT collecting and selling, and Betoker, a hybrid live broadcasting platform enabling content creators to engage with their audience through cryptocurrency-based donations and interactive features.

#### Netcad Software Company & WebeGrafı Agency

##### Intern Developer (2018 July - 2018 September)

Worked as an intern at both Netcad Software Company and WebeGrafı Agency, contributed to various projects using HTML, CSS, JavaScript, and jQuery, with a strong emphasis on mastering core JavaScript concepts and enhancing problem-solving abilities.

### SKILLS

**Frameworks & Libraries:** JavaScript, Vue.js, Nuxt.js, React.js, jQuery

**State Management:** Vuex, Pinia, Redux, Redux Toolkit, Zustand

**Tools & Utilities:** WebSocket, Axios, Jest

**Styling & Markup:** HTML, CSS, SCSS

**UI Libraries:** Bootstrap, Vuetify, Element.ui, Material-UI

**Design & Documentation Tools:** Storybook

**Monitoring & Quality:** Sentry, Sonar

**Blockchain Development:** Web3.js, Solana/web3.js, MetaMask

**Visualization & Media Tools:** Echarts, Tradingview Charting Library, Video.js

### Contact

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### Education

2015 - 2019

**Computer Engineering**

Süleyman Demirel University

2014 - 2015

**English Prep Class**

Süleyman Demirel University

### Language

English

### Reference

**Engin Öztürk**

Senior Frontend Developer / Hepsiemlak

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# Projects

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## Payment

Hepsiemlak (2023 September - Present)

The payment project was an existing system composed of two distinct parts: Vue 2 and .NET. We were responsible for redesigning the cart and payment flow from the ground up using Vue 3. Rather than relying on a UI library, we developed all components independently. We utilized Pinia for state management and ensured the application was built following clean code principles and industry best practices.

**Technologies:** vue.js, scss, javascript, jest, sentry, sonar

## MyAccount

Hepsiemlak (2022 March - Present)

In the Account Panel application, the focus was on migrating the project from Angular to Vue.js. Specifically, the pages migrated were for creating new real estate listings and messaging. Most of the components were developed independently without using additional packages. Efforts were made to reduce the bundle size by removing unused or rarely used third-party applications. Achieving over 95% code coverage with Jest was a notable accomplishment in this project. Over time, the average monthly errors in Sentry were reduced from 300k to 30k. Additionally, low- quality components not adhering to best practices and clean code principles were refactored.

**Technologies:** vue.js, scss, javascript, jest, sentry, sonar

## Nft Bricks

Eralp Software (2021 September - 2021 October)

I developed minting websites for two NFT projects on different blockchain ecosystems. NFT Bricks is a unique playable "Tetris" NFT. For the NFT Bricks project on Polygon, I used the web3.js library to connect to MetaMask, read wallet addresses and balances, sign transactions, and interact with smart contracts. I performed minting by sending the wallet address and NFT fee to the contract, and I found an open-source Tetris game, which I improved with additional developments.

For the hand-drawn raccoons project on Solana, I used the @solana/web3.js library to connect to wallets like Phantom, Sollet, and Solflare without using any wallet adapter. I implemented functions to read wallet addresses and balances, sign transactions, and interact with smart contracts. Minting was done by sending the wallet address and NFT fee to the contract.

**Technologies:** web3.js, solana/web3.js, vue.js, vuetify

## Cryptocurrency Exchange

Eralp Software (2021 August - 2021 September)

The company I work for wanted to create its own cryptocurrency exchange and tasked me with building a market similar to Binance. This was an MVP project aimed at developing a functional prototype. I used CSS Grid for the trading screen layout and chose Element UI and Vuetify as UI kits. While awaiting endpoints from the backend, I integrated the Binance API using Axios and WebSocket for real-time data. The data was then displayed on charts using the TradingView Charting Library.

**Technologies:** nuxt.js, vuetify, element.ui, websocket, axios, trading view charting library

## Nft Creed

Eralp Software (2021 April - 2021 August)

This is an MVP project for an NFT collecting and selling platform, similar to opensea.io and rarible.com.

I chose Element UI as the UI kit for this project. The platform supports multiple languages and currencies using the i18n library. For image cropping, I utilized vue-advanced-cropper. Axios was used for API connections, and the project also includes a WebSocket connection for real-time Ethereum price updates.

This platform is designed to allow live broadcasters, YouTubers, and influencers to sell NFTs, including pictures, GIFs, YouTube videos, tweets, and Instagram posts.

The project is currently on hold due to upcoming cryptocurrency regulations in Turkey and is also integrated with Betoker.

**Technologies:** nuxt.js, i18n, element.ui, websocket, jquery, axios

## Betoker

Eralp Software (2021 April - 2021 August)

This is a hibrit project live broadcasting platform like twitch, dlive and video platform youtube.

In this project, broadcasters and youtubers will be able to receive donations, create surveys or distribute gifts with cryptocurrencies issued in their name. In addition, these cryptocurrencies are planned to be listed on exchanges in the future. It can be thought of as a fan token from the Chiliz project.

This project also has admin panel. I chose element.ui on the website and vuetify as a ui kit in the admin panel. I developed using the video.js library for the video player to be used in the application.

This project is on hold as the Turkish government will pass a law on cryptocurrencies. This Project also connected with Nft Creed.

**Technologies:** vue.js, nuxt.js, video.js, element.ui, vuetify, axios, jquery, websocket