

Aimen Sahnoun

Software Engineer

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AREAS OF EXPERTISE

PROFESSIONAL SKILLS Communication | Adaptability | Leadership | Teamwork and collaboration

TECHNICAL SKILLS NextJS | TypeScript | Tailwind | Jotai | NestJS | PostgreSQL | Prisma | Drizzle | React Native | Expo | Near | Solidity | Hardhat | Ethers.js | wagmi | AWS | Nx | Firebase | Supabase | Go

PROFESSIONAL EXPERIENCE

Software Engineer, Trustblock | Remote

01/2023 - 11/2023

- Responsible for tech stack decisions and building the [product](#) from scratch.
- Implemented soul-bound token smart contract for whitelist management, improving product security.
- Implemented an authentication flow using **NextJS** and Web3 wallets, enabling seamless integration of JWT tokens for secure user access.
- Identified bottleneck in database management system and led initiative to migrate ORM, improving response times by **80%**.
- Headed initiative to create web based audit generator microservice, **which led to improved user experience**.
- Handled migration of tech stack from **Vercel** to **AWS**, resulting in better developer experience and a more uniform product.
- Engineered **84.5% faster** process of calculating auditor metrics in **AWS** using parallel step functions.
- Worked on creation of [widgets](#) and custom script for displaying auditor metrics.
- Handled migration from multiple repos, to one monorepo using [Nx](#).
- Responsible for onboarding new hires and getting them up to date with the codebase.

Full-stack Engineer, BetterHQ | Remote

03/2022 - 11/2022

A platform for the open-source community to collaborate and build projects together by funding and developing features through a decentralized bounty system.

- Created a Near smart contract to facilitate funding and payout of bounties [\(link\)](#)
- Developed an upgradable Solidity smart contract to enable multi-chain functionality [\(link\)](#).
- Integrated smart contracts with a [web application](#).
- Enabled wallet address whitelisting using [Guild](#).
- Utilized OpenZeppelin AutoTask to automatically remove expired bounties.

Full-stack Engineer, Muni | Istanbul, TR

10/2021 - 12/2021

A financial solution that enables businesses to manage their budgets and finances more efficiently and effectively.

- Developed reusable React components to increase code reuse and reduce development time.
- Developed parts of the company's [landing page](#) for responsiveness.
- Leveraged React Native and OpenCV2 to create a document scanner mobile application
- Developed a [mobile application](#) version of the web application using React Native, providing users with a consistent experience across devices.

----- Projects -----

Lucra

01/2023 - 11/2023

An expense tracking and invoice creation tool, allowing freelancers and contractors to focus on their work while Lucra handles the rest.

- Built from scratch using NextJS and [SST](#) to deploy and handle **AWS** services.
- Automate subscription creation for users with Cron jobs, making it easier to track expenses.
- Implement automatic email reminders for subscriptions.
- Implement **PDF** and **image** parser to feed data to **GPT**, making it possible to extract expense data automatically.
- Create an invoice editor with multiple currencies and possibility to create crypto invoices.
- Implement sending invoice to client as an email automatically from the platform with attaching **PDF**, as well as providing read receipts to the user as soon as their client opens the email.
- Implement widgets for users to view their income in their preferred currency.
- Implement expenses widget, for users to view their total expenses, one-time expenses , and subscriptions.
- Implement server side rendering with NextJS and TRPC , decreasing initial loading state and improving user experience.
- Reduced page file size by 97.4%, with JS first load going down by 52.6%.

CopyCat

01/2022 - 05/2022

A software suite that allows users to remove the background and send it to their computers directly.

- Lead a team of three engineers in designing and implementing the project.
- Developed a mobile application that enabled users to remove backgrounds from snapped images, utilizing OCR to extract text from images.
- Connected mobile application to desktop application using web-sockets for seamless image/ text transfer, allowing users to send edited images directly to their computers.
- Tested and debugged software suite to ensure optimal user experience.
- [Github Repo](#)

DecentraJobs

03/2022

A Decentralized freelancing platform built on top of the Near protocol.

- Successfully developed a Near smart contract and web application utilizing NextJS for a decentralized freelancing platform.
- Achieved top 10 ranking out of 120 projects in the Encode Near Hackathon.
- Implemented reliable data storage functionality on decentralized IPFS nodes to ensure data integrity.
- **Github repo**

----- EDUCATION -----

Master's Degree, MBA, Bahcesehir University, Istanbul ,TR

Bachelor's Degree, Computer Engineering , Bahcesehir University, Istanbul ,TR

----- CERTIFICATIONS -----

Blockchain Education for Developers (Solidity), LimeAcademy - Blockchain education | 2022

Certified Near Developer, Near Protocol | 2022

----- ACHIEVEMENTS -----

Encode Near Hackathon Finalist, Reached top 10 project finalist for Encode Club's Near hackathon with DecentraJobs, Ranked 6th/10.