

Mahmut Baran Turkmen

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Greater London, United Kingdom

EMPLOYMENT

Junior Front End Engineer

07/2023 – present

VIOOH (JCDecaux subsidiary) | *React.js, TypeScript, Redux, Jest, Storybook, BDD, GitHub Actions, Datadog*

- Developing the user interface of a sell-side advertisement exchange and dashboard
- Proposed and led the first implementation of tracking user actions using Datadog to track KPIs and better understand user needs and frustrations
- Co-owned the design implementations by being the primary contact between the front end and design teams while rebranding and redeveloping the app
- Reduced tabular data loading time from 120 seconds to 5 seconds by developing a custom data table component to replace an inefficient third-party service
- Improved the product's delivery speed by 10% by fixing non-deterministic errors in the CI pipeline
- Increased the test coverage by 4% by writing unit tests with React Testing Library to strengthen confidence in the app
- Created and maintained a structured team wiki to motivate onboarding team members and promote knowledge-sharing

Blockchain Developer (Contractor)

03/2022 – 09/2022

Ajinomoto Turkiye | *JS, Jest, REST API, MVC, Swagger, TDD*

- Designed, coded, and hosted a REST API that stores data on IPFS and proof on an EVM-compatible blockchain network
- Composed user stories with the Product Manager and added integration tests with Jest
- Documented the built API endpoints using OpenAPI Specification to enhance developer experience for adjacent teams
- The project was successfully deployed to production

EDUCATION

Durham University

09/2019 – 06/2022

Bachelor of Science in Computer Science

- **Modules:** Algorithms, Data Structures, Human-AI Interaction Design, Networks, Distributed Systems and Databases
- **Dissertation:** Universally Accessible Order Book Style Decentralised Exchange([paper](#))
- Course Representative

PROJECTS

Tapit Co.([project](#)) | *TypeScript, React.js, Redux, Next.js, SQL, Redis, AWS S3, AWS SES*

05/2024 – present

- Sole technical co-founder of a web and a physical product line app with >10 active business users designed to help individuals and businesses find new paying customers using digital profiles and contactless accessories

Transfer Coins([project](#)) | *React.js, Storybook, Figma, Tailwind CSS, Husky*

01/2023 – 06/2023

- Designed home, authentication and dashboard pages using Figma([figma](#))
- Coded the components using React.js and Tailwind CSS, while isolating them with Storybook([storybook](#))
- Enhanced the deployment success rate from 80% to 100% by integrating tests using Husky into Git hooks
- Modelled the database schema based on the requirements specification by utilising diagrams.net

Decentralised Exchange([project](#)) (*Bachelor's Project*) | *JS, Solidity, Ethereum, Hardhat, Mocha*

12/2021 – 05/2022

- Designed, coded, and hosted a central limit order book style decentralised exchange where all data is saved on-chain
- Designed a single-page website using Figma and turned it into code with HTML, CSS, and JavaScript
- Coded the business logic in Solidity and deployed the smart contracts on Ethereum Virtual Machines
- Wrote integration tests using Mocha with Hardhat to test order book scenarios and edge cases

ADDITIONAL SKILLS & INTERESTS

Community Manager

02/2021 – 03/2022

- Saved 1 person-hour per day while scaling a group from 750 to 4,000 members by utilising and building chatbots for our Telegram, Twitch, and Discord groups

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, Solidity, Bash, SQL, HTML, CSS
- **Frameworks:** Next.js, Express.js, Hardhat
- **Technologies:** React.js, Redux, Storybook, Tailwind CSS, SQLite, MongoDB
- **DevOps:** AWS, Git, GitHub Actions, Datadog, Cloudflare Workers, Husky, Jest, Swagger
- **Other:** Scrum, TDD, BDD, Figma