

Youssef Ojeil

Orlando FL

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Summary

Full Stack Web Developer with a background in Electrical Engineering, blockchain & web3 technology. Experienced in product & test engineering, fast paced working environments, flexibility & learning new skills to meet project requirements & deadlines. Seeking to apply & further expand technical, analytical, organizational & leadership skills.

Technical Skills

- React, Node.js, JavaScript, TypeScript, GraphQL, ApolloGraphQL, MongoDB, MySQL, Express, Nestjs, Prisma, Mongoose, Sequelize, Axios, Solidity, Hardhat, Ethers.js, Wagmi, RainbowKit, Next.js, CSS, Bootstrap, Tailwind, Python.
- VS Code, Figma, Heroku, Git, Jira, Dbeaver, MongoDB, Compass, ExpressSCH, ExpressPCB, Multisim, Altium PCB Design, Microstrategy, MS Office.
- Blockchain technology & Ethereum token standards such as ERC-721, ERC-1155 & ERC-20.
- Automated test equipment (ATEs), bench testing, device characterization, operations flow diagrams, and Lean & Six Sigma practices.
- Fluent in English, French, and Arabic.

Experience

EDX — Remote April 2023—Present

Full Stack Learning Assistant

- Resolved over 300 technical questions related to full-stack practices and materials.
- Conducted code reviews and rectified errors in student web apps and explained web development topics tailored to diverse learning styles while consistently meeting and exceeding KPIs and ensuring optimal student support
- Stayed updated on emerging full-stack technologies & best practices. Curated a list of resources and quick reference guides for common issues.

Lostboy — Remote Sept 2021—Present

Co-founder/CTO

- Developed & deployed multiple ethereum smart contracts and web3 enabled websites.
- Managed a team of developers & designers to deploy multiple websites, smart contracts, & designs to further expand the product line and ecosystem through web3 technologies & experiences.
- Directed strategic partnerships that allowed for new digital & physical experiences as well as digital product integration in various mobile & web apps.
- In charge of future product development based on research of current market trends & technology.

Honeywell — Kansas City, MO Jul 2019—May 2021

Electrical Engineer II – Product Engineer

- Automated and optimized the process of gathering and reporting manufacturing test data (using Python) on multiple assemblies which led to a 97% increase in timesaving and a ~\$20,000 reduction in annual costs per department.
- Collaborated with adjacent engineering and manufacturing teams to identify and address non conforming product or outliers during the production life cycle of transmitters using failure analysis methods.
- Led a manufacturing team to improve inconsistencies in electrical testing on a cable assembly which resulted in an estimated cost savings of ~\$200,000 in the production life cycle.

Micross Components — Orlando, FL Jan 2017—May 2019

Test Engineer

- Created test plans and test programs using automated test equipments (ATE) for the testing of semiconductors and integrated circuits (ICs) based on device specification requirements.
- Designed schematics and created hardware interface boards for various ATEs to supplement product testing.
- Performed failure analysis on non-conforming silicon during development and production.
- Developed hardware and software to port pre-existing legacy test programs to newer ATEs which resulted in a ~90% reduction in test time and an increase in test production throughput.
- Maintained production on Teradyne ATEs by updating test programs to conform to latest device specs.

Education

University of Central Florida

Certificate in Full Stack Web Development, Dec 2022

University of Central Florida

Bachelor of Science in Electrical Engineering, May 2016

Graduated with Honors Summa Cum Laude

Certifications

Lean Six Sigma Green Belt

LTX-Credence VisualATE Basic Applications

LTX-Credence Digital Applications

LTX-Credence Advanced Power Applications

Projects

Lostboy User Dashboard: <https://dashboard.lostboy.io/>

- **Summary:** Designed, developed and deployed a user-centric dashboard for all Lostboy collections. The dashboard utilizes web3 auth and sign in with ethereum to validate a user's wallet address & fetch a user's owned nfts, staked nfts as well as erc20 token. Enables users with a specific nft to directly submit music data with embedded automated email notification on submission. Animation flexibility, toggle between 2d & 3d, metadata accessibility, direct links to opensea and collection filters. Deployed on AWS amplify.
- **Core Responsibilities:** Developer, Creator, Designer, Owner & Implementer
- **Tools and Languages:** Nextjs, Thirdweb/auth, Thirdweb/react, Thirdweb/sdk, Alchemy, Ethers, Axios, Sendgrid, Tailwind.

Lostboy ArtistXP Mint Page: <https://artist-xp.lostboy.io/>

Lostboy ArtistXP Smart Contract: <https://etherscan.io/address/0xbb59d51a59bc68ba7d796bc9e5361023d3a0b118#code>

- **Summary:** Successfully developed and deployed an ERC721 smart contract in conjunction with a user-friendly minting website, enabling users to mint NFTs using our ERC20 token. A distinctive feature of this platform is its burn mechanism, which automatically diminishes the ERC20 token supply each time an NFT is minted. To ensure the integrity and fairness of the minting process, I incorporated a dual-check system. This system cross-verifies both on the smart contract and the front-end website, ensuring that users can only mint a single NFT. Moreover, a comprehensive validation mechanism was embedded to consistently check whether users hold sufficient ERC20 tokens on both the smart contract and minting website before granting minting permissions.
- **Core Responsibilities:** Developer, Creator, Owner, Implementer, Designer & Strategist
- **Tools and Languages:** Solidity, RainbowKit, Nextjs, Tailwind, Hardhat, Axios, Wagmi, Viem, Alchemy-sdk

Oyster | Github: <https://github.com/youssefojeil/Oyster>

Deployed Site: <https://immense-refuge-82677.herokuapp.com/>

- **Summary:** MERN App that allows users to unlock extra functionalities on sign-up & login, view real time NFT collections' data, create a watchlist of their favorite collections, create projects to collaborate with others & a wallet connect feature that allows users to connect their MetaMask Wallets to view their NFTs on the Ethereum Blockchain.
- **Core Responsibilities:** Lead full-stack developer, app ideation and direction. Set up Back End's Express server, MongoDB connections and configs, Mongoose models, ApolloGraphQL schemas, types, queries and mutations. Create React pages, components, router, Apollo Client, third party api requests, user CRUD functionalities and web3 integration.
- **Tools and Languages:** React, Node, Express, MongoDB, Mongoose, ApolloGraph

Cryptofolio | Github: <https://github.com/youssefojeil/Cryptofolio>

Deployed Site: <https://radiant-lowlands-48817.herokuapp.com/>

- **Summary:** An MVC Architecture App which includes user sign up & login functionalities, a customizable cryptocurrency favorite's list, access to multiple cryptocurrency live data formats sorted by volume or sales.
- **Core Responsibilities:** Lead full-stack developer, app ideation and direction. Set up Back End's Express server, routes & controllers, MySQL database connection and config, Sequelize models and associations. Front End views, AXIOS https requests and user CRUD functionalities.
- **Tools and Languages:** JavaScript, Node.js, MYSQL, Sequelize, Postman, Handlebars.js, Express, Bootstrap, Axios, DBEaver, CSS, HTML & CoinGecko API.