Alexander Mikalauskas

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LinkedIn   **GitHub**   **Portfolio**

TECHNICAL SKILLS

- **Proficient:** ReactJS, React Router, Javascript, Typescript, Node.js, Express, MongoDB, C#, .NET, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Exposure:** Redux, React Boostrap, Angular, LINQ, SQL, Firebase, Azure, jQuery, Material UI, Git, Heroku, Solidity, Web3.js, Next.js

EDUCATION

Degree, *High School*   Graduation December 2021

Blockchain Developer Bootcamp Certificate, *Teachable*   2022

React Developer Certificate, *Udemy*

2022

PROJECT WORK

Dynamic Resume App | Lead Fullstack Software Engineer | live | code   2022

Custom web application that shows different resumes formatted like top-level tech companies including Microsoft, Google, and Facebook; Includes newsletter signup.

- Implemented calls to Azure Cosmos DB Account using my custom express API and loaded the retrieved data to formatted resumes in order to expand my knowledge of retrieving data from a cloud database. -→ **Why I did this, expand knowledge into cloud software, to learn this in-demand skill…**
- Designed and Published my custom Azure Function App which handles Newsletter Signup functionality by adding users to a Mailchimp audience using the Mailchimp API.
- Designed API routes that act as a backend and deployed them to Heroku and as an Azure Function App.

Crypto Login Authentication App | Lead Fullstack Software Engineer | live | code   2021

Custom Web application that enables users to add crypto coins from a table to their watchlist with a fully functioning login system with login verification using JWTs.

- Implemented the entire login system which includes login and sign-up with JWT verification and creation when a user is validated using MongoDB and Express to learn how to create and use JWTs for a more secure login.
- Designed and created a fully responsive home page with a table, chart, and watchlist using Tailwind CSS and the Coin Gecko API.
- Designed API Controllers and deployed them using Heroku; Deployed UI to Netlify which helped me to learn how to deploy an application to the web so others could view it.

Decentralized Token Exchange App | Lead Fullstack Software Engineer | live | code   2022

Custom Web Application that acts as an exchange that enables users to buy or sell a custom ERC-20 token in exchange for Ethereum; This App Requires Ropsten ETH from a faucet and a Metamask Account & Extension.

- Displays Exchange Screens including token price chart, trades made on the exchange, all active orders waiting to be filled(order book), unfilled orders by the user, and trades made by users.
- Allows users to deposit tokens or Ethereum from their wallet onto the Exchange; Can also withdraw from Exchange back to their wallet.
- Created Token and Exchange Smart Contracts using Solidity.
- Implemented code tests to assure correct functionality among smart contract methods using Jest to learn the in-demand skill of test-driven development(TDD).
- Deployed Smart Contracts to the Ropsten Test Network using Truffle