

# Alexander Mikalauskas

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[LinkedIn](#)

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[Portfolio](#)

## TECHNICAL SKILLS

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

## EDUCATION

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**Degree, High School** Graduation December 2021  
**[Blockchain Developer Bootcamp Certificate](#), Teachable** 2022  
**[React Developer Certificate](#), Udemy** 2022

## PROJECT WORK

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**Dynamic Resume App | Lead Fullstack Software Engineer | [live](#) | [code](#)** 2023  
*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.
- 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 5 API Controllers and deployed them using Cyclic; 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.