Bitcoooonnect

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Introduction

- It's difficult for cryptocurrency investors to track the value of their investments due to holdings being spread across multiple exchanges and/or protocols
- Bitcoooonnect allows investors to input the amount of each coin they hold after which they can see the total value of their portfolio as well as each individual token.
- Focus on supporting as many cryptocurrencies as possible: currently ~9490 supported, with more added to our database daily

Demo

Bitcoooonnect

New skills/technologies

- Frontend
 - CSS HTML JavaScript
 - Vue.js
- AWS
 - CloudFormation and YAML files
 - Create and seed our database with data
 - Cognito
 - User Authentication
 - Amplify
 - Used to host our front end
 - CloudWatch events
 - Update our coins database with latest prices

AWS Services



Amplify:

Front-end hosting

Vue.js framework



Cognito:

User authentication



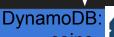
API Gateway:

- **Get Coins**
- **Update Coins**
- Create Portfolio
- Get Portfolio
- **Update Portfolio**



Cloudformation:

Create coins table with data



- coins
- users



Lambda:

- CreateUserActivity
- GetUserActivity
- **UpdateUserActivity**
- GetCoinActivity
- **UpdateAllCoinsActivity**



Cloudwatch:

Scheduled calls to external CoinMarketCap API



CoinMarketCap API

Bitcoooonnect Backend

Java



Challenges

- Expected
 - Creating CoinMarketCap API client
- Unexpected
 - Financial constraints of CoinMarketCap API client
 - Frontend

Lessons Learned

- Design is key for more valuable time
- Stay organized with tools like Trello and Github
- Have daily standups to better coordinate with your team