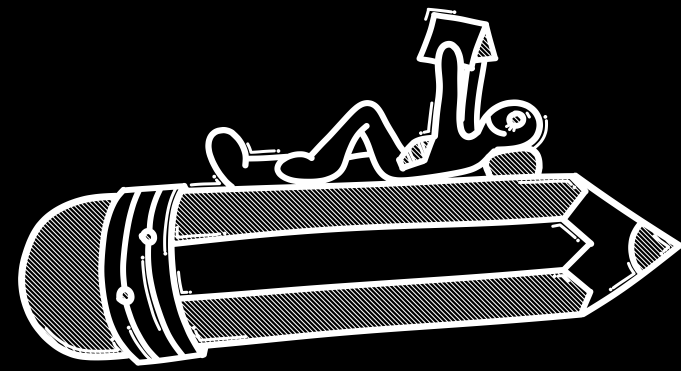




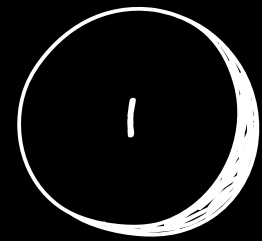
Portfolio

Want to get to know me &
some of the things that I can do?

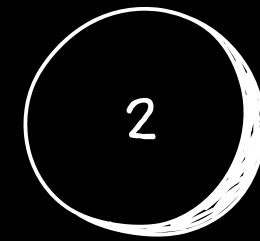
Minimum
Viable
Product



Today's Agenda



Who am I & how did I get into programming?



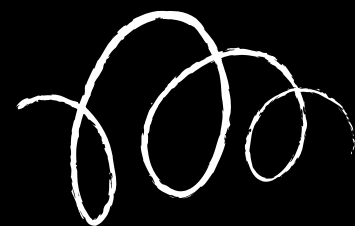
What is this project?



Demonstration Time



Technicals Details & Difficulties



Introduction

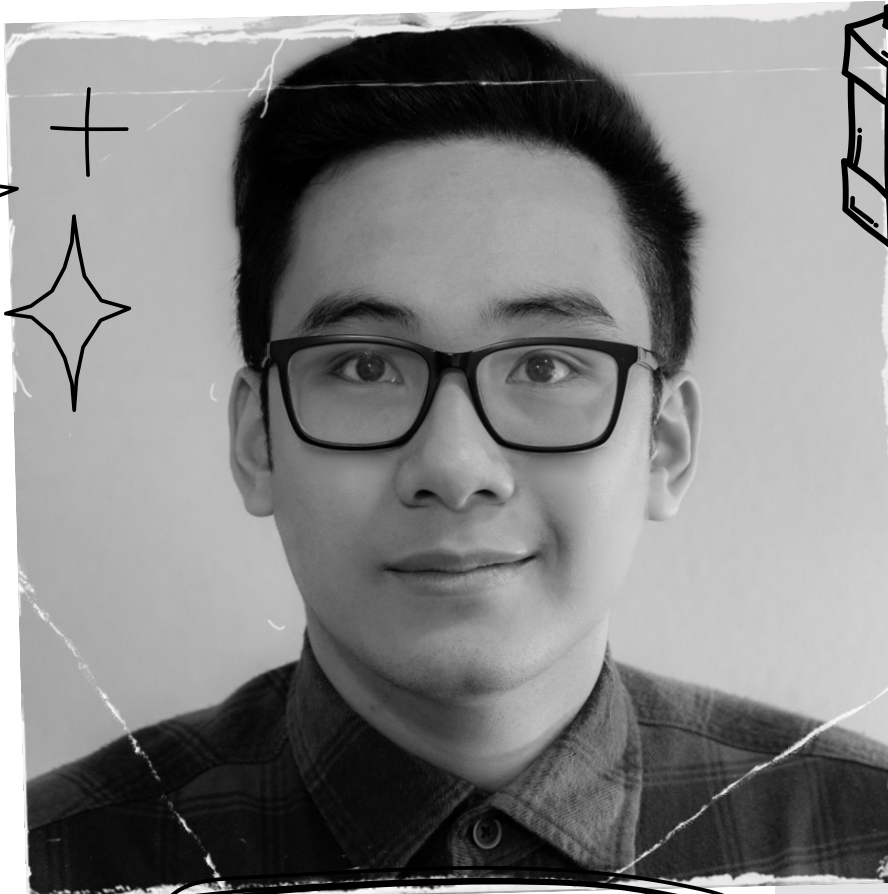
Choco is just here for emotional support.

A bit about Duy Le:

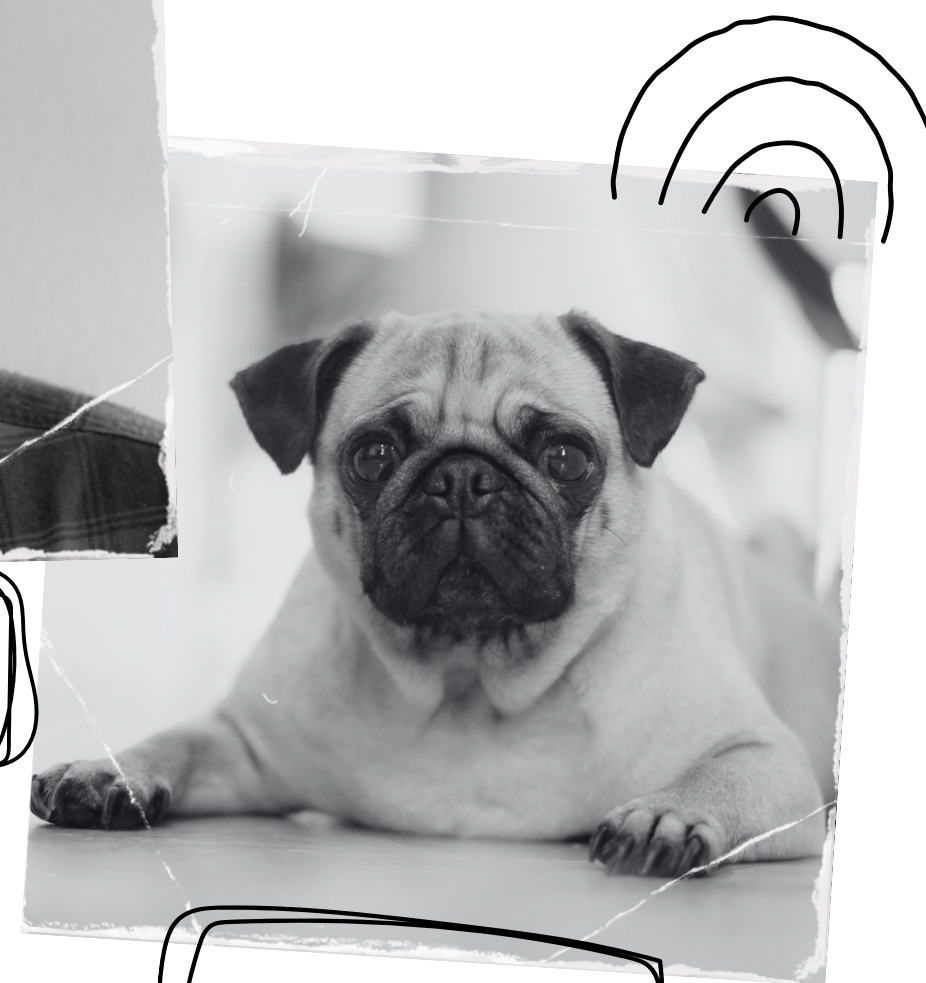
I used to go to school for Digital Film and video, so I love seeing people's reactions through content presentations.

I am also a finance nerd. I have the L&H license of my state and passed the Security Industry Exam (SIE)

Because of that, I want to combine those interests of mine into one website.



Duy Anh Le



Choco

What is this project about?

I aim to build a website featuring a photo and video gallery for showcasing my content creation. It will also include a stock price display and a coding-themed UI to highlight my software development skills.

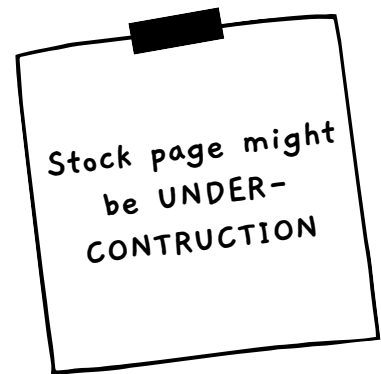


Photo & Video Gallery

- Gallery Browsing: Explore a captivating gallery by scrolling through visual content.
- Image Viewer: Click on an image to view it in its original size. Hovering over the image displays its name and applies a blur effect.
- Embedded Video: Watch videos seamlessly with YouTube controls directly on the web page, eliminating the need to open external links.

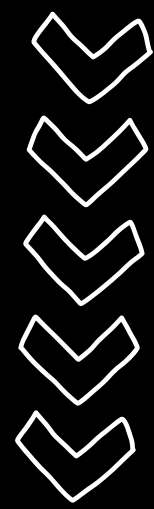
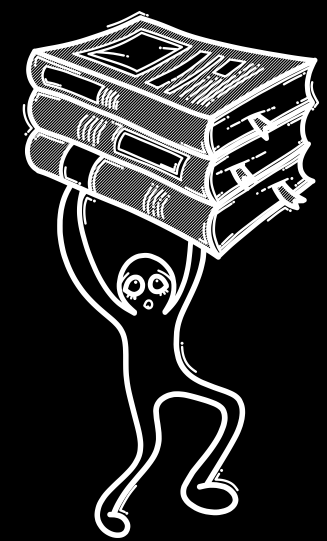
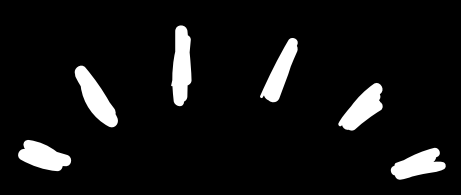
Stock Price Display

- Stock Price Fetching: Retrieves real-time stock prices for specified tickers like AAPL and MSFT using the Alpha Vantage or IEX cloud API.
- Data Mapping: Parses the API response to extract the latest stock price and maps it to the corresponding ticker symbol.
- Error Handling: Returns a 500 status code if the API request fails, ensuring graceful degradation.

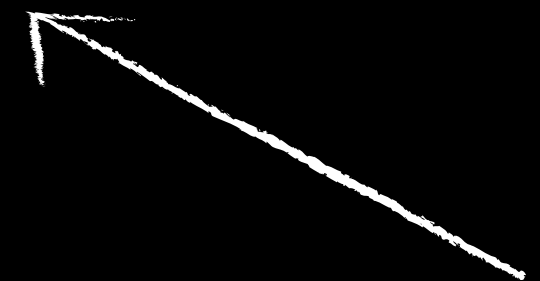
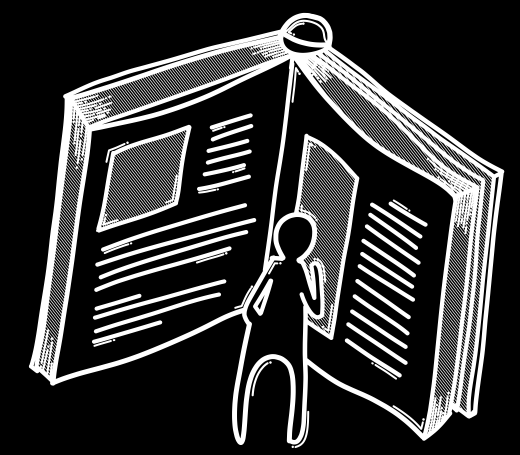
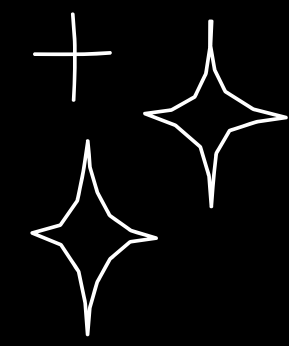
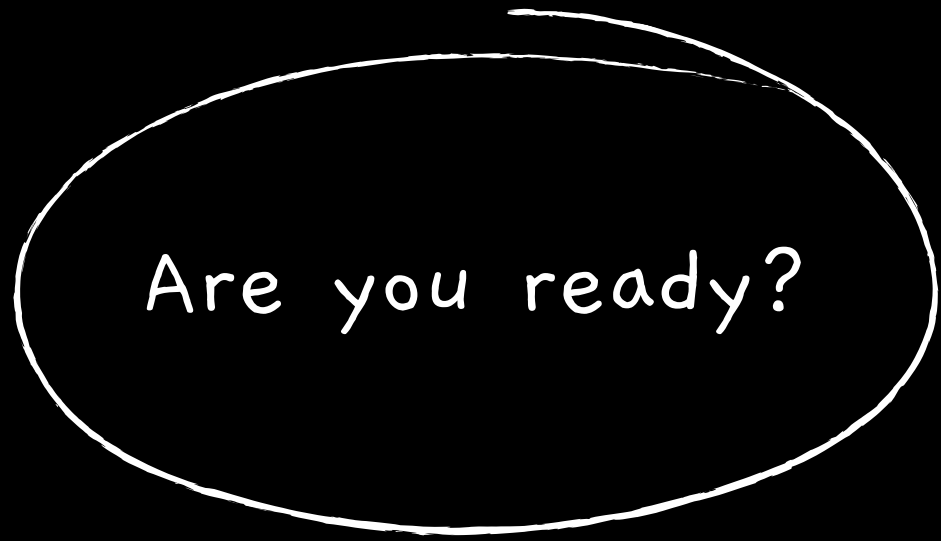
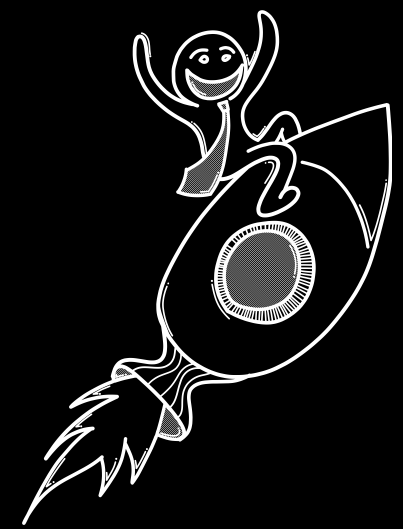
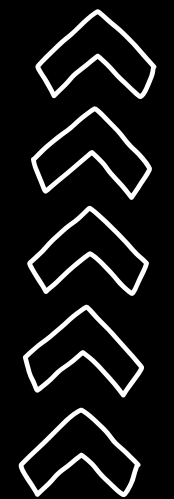
Building SWE Theme UI

- Sidebar Navigation: A feature-packed sidebar with FontAwesome icons and quick access to social media links.
- Animated Letters: Utilize our custom React component, AnimatedLetters, to infuse dynamic and interactive text animations into your content.
- Send emails directly from the front end, all on a single page, streamlining the communication process.

title



It's DEMO time!



TECHNICAL SKILLS

Languages, Libraries, frameworks & other technologies used.

Challenges

- Database Issues: My inexperience with SQL Workbench led to time-consuming database creation and connectivity challenges. Integrating Google Drive links also introduced a series of minor yet time-consuming issues to resolve.
- Failing to configure CORS initially posed a significant challenge. It prevented my local host from accessing resources served by my Spring Boot application.
- API Limitations: Navigating the constraints of free stock data APIs, such as rate limits and output formatting, posed initial challenges in achieving reliable and accurate data retrieval.

Back End

- Java for server-side logic
- Spring-Boot to build the framework for building the backend API.
- Java Collection & Generics, map & hash map.
- Spring Data JPA is used for data operations.
- Jdbctemplate for database access & and error handling.
- RESTful API Endpoints: Created endpoints for CRUD operations.
- Data Mapping: Used RowMapper for mapping rows of a ResultSet to objects, facilitating data retrieval.

Front End

- Used JavaScript for the client-side logic
- ReactJS to build user interfaces
- React router to do clientside routing
- SCSS - CSS preprocessor for advanced styling
- FontAwesome for sidebar and UI elements
- EmailJS to handle email sending functionality.
- Animation: Integrated custom animations for elements like text.
- State Management: Used React's useState and useEffect hooks for managing component state and side-effects.

Thank you for
your time!

Let me know if
you have
questions if not
have a great day

