Zachary Huard
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Zhuard.netlify.app (Portfolio Link)

PROJECTS

ChatApp
React, Express, MongoDB, Cloudinary, Node, Vite
- Uses mongodb for storing messages and user credentials
- API for handling validating user credentials on sign in and page refreshes with security

Personal Portfolio
React
- Personal portfolio site demonstrating ability with React, outlining experience making other applications and the tech used to do so.
- Includes contact area utilizing API to send directly to my email, links to apps

E-Commerce Store
ASP.NET w/ C# and SQLServer
- E-commerce - users can select product and view details before adding to cart and checking-out
- Administrator area to add/remove items and edit details of items

Image Gallery
HTML + Javascript w/ AWS(S3, DynamoDB)
- Image gallery with upload/delete functionality. Adds and removes items from S3 bucket and saves metadata for each entry in a DynamoDb table.

Console Chat App
Javascript(NodeJS, ExpressJS), MongoDB
- Command-line interface that allows users to send real-time messages to each other as well as see which users are currently on/offline. Server securely stores user credentials along with messages sent/received.

Virtual ATM
Python
- Developed an ATM UI capable of handling basic ATM functions such as validating a user ID and PIN number, changing password, withdrawals, deposits, transfers and bill payments. All transactions are checked against the original balance and balance is updated following the transaction. An Administrator account is able to graph the balances among all users and add/remove users

Animated Timeline
JavaScript w/JQuery
- Built a responsive animated timeline using jQuery's animate and css methods highlighting key points of my life. Manipulating DOM elements with the css() and add/removeClass() methods.

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Chat-Room Application
PHP w/ MySQL, JavaScript
- Developed a chat room application along with a database to store credentials for registered users and previous messages.
- Makes extensive use of query() function to validate credentials, update messages, and retrieve previous messages

Towers of Hanoi Game
Java
- Replicated the traditional Towers of Hanoi game including a basic UI to interact with the game, moving rings from peg to peg by clicking a dragging.

Virtual ATM
C#
- Developed an ATM UI capable of handling basic ATM functions such as validating a user ID and PIN number, withdrawals, deposits, transfers and bill payments. All transactions are checked against the original balance and balance is updated following the transaction.

Inventory Manager
C#
- Created an inventory management console application. Data input by the user is stored in a list. The app is capable of adding new items into the inventory with an associated ID, a name, a description and the price of the item. User's have the option to either add an item, retrieve the data for a single item, or to display all items entered so far.

SKILLS AND TECHNOLOGY
Languages: HTML/CSS, Javascript, C#, Java, PHP, SQL, Python
Frameworks/Libraries: jQuery, ASP.NET, MERN(MongoDB, ExpressJS, React, NodeJS), TailwindCSS
Tools: Git, VS Code, VS Studio, Eclipse, Android Studio, AWS, MariaDB
Design: Photoshop, Illustrator, SceneBuilder

EDUCATION
Web and App Development - Diploma
CDI College, Edmonton, Alberta

High School - Diploma
Leduc Composite High School, Leduc, Alberta

REFERENCES AVAILABLE UPON REQUEST