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PROJECTS

Paper Trading Simulator — *React, TypeScript, Firebase, Alpaca APIs*
- Used Firebase Authentication to handle secure user registration and login.
- Built backend middleware that only allows access to trading, portfolio, and activity features after confirming the user's token.
- Integrated Alpaca's Market Data API to fetch real-time stock prices and historical trading data.
- Connected to Alpaca Broker API (sandbox) to retrieve and display simulated portfolio data, including open positions, balances, order history, and account activity.
- Built a real-time UI that updated dynamically with simulated trading events from Alpaca's sandbox, ensuring accurate display of virtual account activity.

Finance Dashboard — *React, TypeScript, Node.js, MongoDB*
- Created a modular, card-based dashboard using reusable components and custom hooks to handle data fetching, loading, and error states.
- Seeded MongoDB with mock revenue data using a simple script to support consistent, repeatable demos.

Weather Application — *React Native, Weather APIs*
- Built mobile-friendly screens with separate views for current, hourly, and daily weather forecasts.
- Set up location permissions to automatically show the local forecast, with a backup option to search by city.
- Connected to WeatherAPI to show live forecast data.
- Switched between day and night themes using sunrise/sunset data.

Book Explorers — *React, Firebase, Google Books API*
- Built a live-search interface for Google Books with result lists and a detailed view that displays book information.
- Implemented Firebase authentication with session persistence to keep users signed in across visits.
- Created favourite lists that save across sessions using Firestore.

TECHNICAL SKILLS

Language & Frameworks: TypeScript, React, React Native, Node.js, Tailwind CSS, Firebase, REST APIs, Express.js, Axios
Tools & Platforms: GitHub, Figma, Adobe Creative Suite, WordPress

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EDUCATION

Diploma in New Media and Web Development
British Columbia Institute of Technology, 2024 – 2025

Bachelor in Hospitality Management
Vancouver Community College, 2020 – 2023

LANGUAGES

English
Vietnamese

INTERESTS

Video games & walking