Dorian Thompson
Software Engineer

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Phone | Portfolio | Github | LinkedIn

TECHNICAL SKILLS

Languages: Python, JavaScript, Java

Technologies: ReactJS, NodeJS, Git, Github, Express, React-Redux, HTML, CSS, MongoDB, AWS, Netlify, Vercel

Technical Experience (Personal Projects)

CRWN CLOTHING
- Utilized ReactJS and Node to construct a Full Stack web application which allowed users to browse through various products and make purchases
- Used Google Firebase to authenticate users through Google OAuth or with login and password, allowing for greater user security standards combined with a fast sign in experience to increase sign in speeds by 23%
- Chose FirebaseDB for my database to store collections of clothes organized by category and price for cloud level reliability
- Utilized Stripe API to display credit card payment form and process user payments, resulting in 32% faster payment processing
- Used Netlify to allow the entire application to be deployed in real time and pushed to production in the cloud, significantly increasing the reliability of the application

NASA MISSION CONTROL
- Utilized Node and ExpressJS to construct the back-end of a React web application that allows users to schedule and browse through missions to habitable Exoplanets on NASA's radar within our solar system.
- Used MongoDB and the SpaceX API to retrieve and store records of NASA missions that were previously launched and scheduled for deployment, which resulted in easy handling of data related to the web application
- Built a mock server using Postman Agent to test implemented server by creating requests, and examining the outputs to match desired expectations to ensure back-end functionality
- Implemented an AWS EC2 server to provide hosting capabilities and deploy the web application, allowing for nearly 100% uptime

STREAMS
- Created a ReactJS web application that allows users to host and visit lives streams, which resulted in a user experience similar to Twitch
- Utilized Google OAuth to authenticate users by their predefined user credentials, optimizing for both user security and Log In ease
- Implemented global level state with React-Redux for stream creation and different access permissions depending on the level of the users authentication, ensuring the ability to create and delete streams only to the user responsible of hosting those streams
- Chose a RTMP server to integrate the front-end with OBS which created low server latency, which significantly decreased the chance of lagging while viewing a stream

EDUCATION

MLExpert   **April 2023-Present**
- Completing certification in Machine Learning, Large scale ML, and ML Design

System Expert   **Jan 2023-Present**
- Completing certification in System Design

Frontend Expert   **Jan-April 2023**
- Completed certification in HTML, Javascript, CSS, DOM Manipulation, and React

Complete NodeJS Developer   **May-June 2022**
- Completed certification in NodeJS, Express, GraphQL, REST, MongoDB, SQL, and MERN

Complete React Developer   **March-May 2022**
- Completed certification in React, Redux, Hooks, GraphQL, Stripe, and Firebase

Object Oriented Java Programming: Data Structures and Beyond Specialization   **Dec-Feb 2022**
- Completed specialization in Object Oriented Programming, Data Structures, Performance, and Advanced Data Structures in Java

Complete Python Bootcamp   **May-Nov 2021**
- Completed certification in Object Oriented Programming in Python