Braiden Sommer

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WORK EXPERIENCE

IT Intern

Taylor Morrison   *Scottsdale, Arizona*

- Cultivated proficiency in Active Directory and Azure Active Directory management, overseeing a user base of over 500 within an organization
- Engineered PowerShell scripts, reducing server configuration time by 10% and enhancing operational efficiency
- Resolved and troubleshooted company-wide issues within defined timelines, contributing to improved client satisfaction

PROJECTS

Package Tracker

- Developed and refined four API endpoints utilizing REST architecture to efficiently deliver data
- Implemented a robust system for tracking delivery truck locations, utilizing a Riak database to seamlessly update with realtime location data from hundreds trucks
- Adhered to principles of OTP architecture to ensure scalability and reliability in handling thousands user requests, resulting in a streamlined and responsive system architecture

Full-Stack YouTube Clone

https://github.com/electricman991/yt-web-client

- Built a dynamic frontend interface using Next.js, showcasing a list of 10 videos to users, while simultaneously benefiting from the scalability and reliability provided by cloud-based deployment
- Spearheaded the creation of a scalable backend service built using Go, responsible for processing, storing, and uploading user-submitted videos in a seamless and efficient manner
- Leveraged cloud Pub/Sub to establish a robust notification system, enabling real-time communication between the frontend and backend services. This allowed the backend service to process videos in a queue-based manner which helps the backend service to not be overloaded

Docker API

https://github.com/electricman991/housing_market

- Crafted three API endpoints applying REST architecture to efficiently deliver real estate data to clients
- Extracted and processed data from over 5 CSV files, implementing data manipulation techniques to refine results, ensuring 100 most relevant entries are presented upon API request
- Engineered endpoints using Python with FastAPI, harnessing powers of "Pandas" library to seamlessly interact with CSV files, manipulate data, and fulfill specific requirements

SKILLS

Time Management, Adaptability, Critical Thinking, Problem Solving, Collaboration

Technical: Experienced- Python and TypeScript/JavaScript. Proficient- C#, C++, C, Java, and Erlang/Elixir JavaScript/TypeScript frameworks, REST APIs, Fullstack, Backend, Functional Programming, Data Storage

Accounting Knowledge: Understand accounting concepts and have worked on small business accounting

Technology: Cloud Computing, S3, Postgres, SQLite, Linux, Docker, Networking, Data Visualization, Google Cloud, AWS, Digital Ocean, API's

EDUCATION

Computer Science   September 2020 - April 2024

Brigham Young University - Idaho   *Rexburg, Idaho*

3.9 GPA