Andrew Klapper

Web developer with 3 years of personal experience in Full-Stack development specializing in Monorepo architectures, Cloud deployments, & custom React components. My strengths are Typescript, NodeJs, Python, Go, React, GIT, PostgreSQL, MongoDB, Nx, API Design, & Gen-Ai agents / prompts. I utilize Docker, Github Actions, & GCP AppEngine & CloudRun for my CI/CD pipeline. I have a strong work ethic, focused determination to thrive in a fast-paced environment where increasing efficiency and delivering robust, end-to-end solutions for complex systems are the norm.

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[GitHub]

EXPERIENCE

Software Engineer, Gitasy

Present

 I assisted with the development of a "Daily Fantasy Sports" (DFS) game using Go, React, Postgres, Redis, Kubernetes, Bitcoin, GitHub Actions, & Docker. Setup GitHub Actions to automate build process which triggers Docker image build and push to Docker Hub upon pull request validation into the main branch. The deployment is on Azure and handled by Kubernetes manifests which automatically pull new Docker images upon arrival in Docker Hub from GitHub Actions workflow. We used PostgreSQL for data storage and Redis for pub/sub & caching. Implemented a Bitcoin node on Kubernetes to handle transactions and a custodial Bitcoin wallet backend in Go and front end with React/Typescript to receive payments for user team submissions. RestAPI's are built with Go Echo, Go ORM Gorm to handle data access & API calls. Some of the features are real time notifications, private chats, private league drafts which utilize Redis pub/sub & websockets with Echo for the back end and React for the front end.

Woodstock Developers Group, Woodstock, Ga

Jan 2023 - PRESENT

Instructor lead programming with focus on enterprise level software design using simple concepts . We have weekly in-person and virtual meetings which involve pair programming, SCRUM & AGILE methodology while rotating the role of scrum master, working as a team to meet sprints / deadlines, and other real world industry best practices for software development life-cycle.

aklapper (Monorepo Portfolio), Marietta, Ga - [Github] [Personal Website]

Jan 2023 - PRESENT

My main portfolio project. The concepts are simple, but built with growth and scaling in mind. To summarize: the APIS utilize REST and Websockets, dynamic endpoints, context & command objects passed through a chain of responsibility to execute the games actions; The Games are built using flexible objects that can be reused or (slightly) modified for any board style game, designing the business logic this way means that any board style game can be built by using these parts with a specific set of rules for the objects to follow; The CRUD App utilizes Prisma ORM to query data and MUI X - DataGrid for display and CRUD actions; The Gen-Ai app ties into GCP Vertex-Ai and the Gemma LLMs using Gemini Pro 1.5 and provides an interface to query via text & audio, as well as, provide text to image response using Imagen3; The UI's for each app are built using React with a shared component library to provide consistency between the visual structure and the flow of data and state throughout; Lastly all shared code are divided into libraries to provide a rigid separation of responsibilities and module boundaries. The apps / libs use testing to verify changes are not breaking existing functionality, GitHub Actions for CI, eventually deployed to GCP AppEngine (React App) & CloudRun (API containers).

FreeCodeCamp, Structy - [FreeCodeCamp] [Structy Repo]

Dec 2021 - PRESENT

I started learning with FreeCodeCamp and many other free online resources. The 3 I find most helpful are FreeCodeCamp, Structy, and Harvard CS50. They each have their own

SKILLS

TypeScript
React
Node
Python
Go

Multimodal
Generative AI agents
& Prompts

PostgreSQL
MongoDB

Git

REST API's Design

OOP Design Patterns

TDD

GCP / AWS /Azure

LANGUAGES

English – Native

Spanish – Fluent

focus and provide a concise starting point and curriculum for the service they provide. The above links are to my FCC profile, as well as, the GitHub Repo of my Structy practice problems which show data structures, sorting, Big-O, DFS/BFS, and many computer science concepts and theory at an intermediate level. Continuing my growth and knowledge while providing value to a team, organization, clients & customers is my first priority.

Shipping Services & Logistics LLC MC# 1120472, Marietta, Ga - *Owner*

Sept 2019 - Dec 2022

I owned and operated a freight brokerage that focused on dry bulk commodities, personal autos, and heavy equipment. The applicable skills were a strong base in sales, customer service, teamwork with the drivers executing the loads, real time problem solving to resolve issues that could arise, utilizing CRM, Loadboard, & Document (BOL) generation software . I decided to change career paths in December of 2022. Since then I have been studying 40+ hours a week to simulate a real world working environment in order to condition myself for the upcoming tasks.

COMMUNITY

Volunteering Mentoring & Involvement -

I volunteer my time mentoring & learning from newer members within WDG and any others who want to attend. I hold open in person code reviews and discussions on ways to improve not only code but general mindset and habits with regards to learning, problem solving, and time management in order to maximize your potential. We attend many monthly meetups including [Cherokee Tech Meetup](#)
  ⚲ Reformation Brewery (Woodstock) . I try to grow our numbers and diversity so we can give the most people the best opportunity to succeed.

EDUCATION

Kennesaw State University, Kennesaw, Ga— *Professional Sales*

Jan 2004 - Dec 2006

Completed 29 credits toward BA in professional sales

Professional References

Ryan McGuinness: 303-242-4575 cell - Google Cloud Solutions Architect, Instructor for WDG - Years Known 2

Tim Liberman: 470-456-0172 cell - Network Engineer Boldyn - Years Known 18