Simonas Karalius

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PROJECTS

Popitalk, popitalk.com | about.popitalk.com   May 2020 - Present
Popitalk is a video sharing platform, which allows its users to watch videos
with synchronized playback.

I have contributed by extending or implementing features from scratch by
writing SQL, server-side logic, WebSockets, React components, Redux actions, reducers
and styling with Tailwind CSS.

While working on this project I did the following:

- Worked in a team, discussed features and implementation strategy.
- Implemented live chat with WebSockets, which is available while users are watching a video.
- Extended chat with multiple features such as: sharing gifs, automatic saving of chat message drafts, saving scroll position, emojis, chat message pending, rejected, and accepted states to indicate request status and implemented notifications for chat messages.
- Used Giphy API.
- Styled components following the provided design.
- Various bug fixes and performance improvements.

StartGG, startgg.com   1 week to write from scratch
A website that combines Youtube and Reddit for a quick overview.

- Worked alone.
- Used Typescript and React to write reusable and easily extendable code.
- Wrote a server that consumes Youtube's and Reddit's API's, throws out unnecessary data and provides routes for queries.
- Server is scheduled to query API's continuously and cache the response, to guarantee fastest delivery of the latest data.
- Used Day.js to format dates and durations.
- Responsive style is written with SCSS.

ACCOMPLISHMENTS

Completed CS50x including nine problem sets and one final project.   2020
CS50x is an introduction to the intellectual enterprises of computer science and
the art of programming. Available online from Harvard University.

Together in a team of 3 people, solved 8/8 puzzles in CS50 Puzzle Day 2020   2020

PROFESSIONAL EXPERIENCE

Flight Operations assistant   August 2018 – June 2020
"DAT LT", JSC, Oro uosto st. 4, Karmelava, dot.lt

The duties of a Flight Operations Assistant include:

- To have an overview of flight operations and ensure successful flight schedule completion.
- Work in a team together with flight crews, Aircraft Maintenance, Flight Planning, Crew, Scheduling, Sales and others.
- Order and cancel airport slots according to schedule changes.
- Monitor new information from Volcanic Ash Advisory Center to guarantee safe operation and timely information flow to relevant parties.
- Prepare reports for the daily meeting, where I present an overview of yesterday's operation.
- Manage crew schedules so that Flight Time Limitations are adhered to.
- Lease aircraft for urgent ACMI or full charter requests.
- File or correct flight plans.
- Responsible for initiating the Emergency Response if necessary.
- Travel for training and Familiarization Flights.