

TARIK GUL

(201) 937-9913

tariksnow37@gmail.com Software Engineer

[GITHUB](#)

[LINKEDIN](#)

Proficient SKILLS React, Redux, Javascript ES5/ES6/ES8, Node.js, Express.js, MongoDB, HTML, CSS, SQL, Ruby, Cryptography, Network Protocols, Unix, NGINX (load balancing, reverse proxying), Python, Django, GraphQL(Apollo), D3.js, C++, React Native

SKILLS RSpec, Jest, Linux (Debian), Docker, Shell, AWS, Ruby On Rails, Distributed Systems, Multithreading, Concurrency

PROJECTS

TARIK GUL PORTFOLIO (React, Redux, Nodest.js, Express, MongoDB, NGINX, Twilio, MapBox, Let's Encrypt)

[live](#) | [github](#)

MERN COVID415 TASK VOLUNTEER (ReactJS, Redux, Express.js, Passport.js, Node, Mongo)

[live](#) | [github](#)

Collaborated with a team of 4 in order to match those under self-isolation from COVID-19 with those who can help deliver them essential supplies.

- Selected winner of #BuildCovid-19 hackathon, hosted by Facebook/WHO.
- Used Passport.js and JWT to create user Bearer Tokens, save them in the back end, and persist their sessions on the front.
- Implemented a native geolocator in order to calculate and sort every task's distance from the current user to improve UX/UI. Using Turf.js, an SSL certificate, and native JS Geo API, I was able to update our global state, and sort after reaching the API endpoint.

VIMEO FULLSTACK CLONE (Ruby On Rails, ReactJS, Redux, PostgreSQL)

[live](#) | [github](#)

Full stack clone of Vimeo, with Video upload, playback, and AWS configurations

- Integrate video uploading, with file handling and management by using the FileReader and FormData object. I was able to extract metadata from the file object, and store specific video features in the backend.
- Utilized BCrypt to receive the user password, and encrypt it so I could save it in the database as a password digest. Then used those model, and controller level validations to ensure and reset session tokens.
- Communicated with AWS in order to read, write, and delete videos, integrated React-player API

SUDOKU ALGORITHM VISUALIZER (Javascript, Webpack, HTML, CSS)

[live](#) | [github](#)

Visualizes algorithms that solve an Exact Cover/NP-Complete problem, (BackTracking, Knuth's Algorithm X)

EXPERIENCE

SedimentIQ Software Engineer

July 2020 - Current

- Responsible for creating a dashboard that visualizes upstream data from a GraphQL API using D3 and recharts.
- Implement GeoFencing with Django, GraphQL, and AWS Lambda functions in order to analyze and automate tracking for heavy machinery

O2E Brands Trainer

Aug 2014 - Sep 2019

- Trained over 100 Truck Team Members in the San Francisco Bay Area. Each team member served over 10 clients a day, maneuvering 6 ton trucks safely and on-time throughout the hills and side streets of SF, while maintaining average NPS scores over 90.
- Specialized in clearing homes of persons suffering from compulsive hoarding. Connected clients with the proper resources to get help, clean their environment, and aided communication with families properly to streamline home cleaning.

ACTIVITIES

Long Distance Hiking - Walked across America twice, and down the coast of California once | 2017, 2018

EDUCATION

Web Development - App Academy | Winter 2019 - Spring 2020

Applied Mathematics - Sonoma State University | 2014 - 2016

Relevant Coursework: Number Theory, Linear Algebra, Advanced Calculus, Complex Proof Analysis, Organic Chemistry