SCOTT HARLAN

FULL STACK ENGINEER

CONTACT INFORMATION

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PERSONAL PROFILE

I am a Full Stack Engineer who thrives while building relationships with diverse teams and tackling complex challenges. A background in customer service gives me a unique focus on a client's perspective and overall satisfaction. As a musician and critical thinker, nothing excites me more than discovering unique ideas that solve root problems and uplift others.

TECH SKILLS

Languages:
- JavaScript
- HTML
- CSS
- TypeScript

Front-end:
- React
- Redux
- Sass
- PostCSS
- Next.js
- D3

Back-end:
- Node.js/Express
- Mongoose
- socket.io

Databases:
- PostgreSQL
- MongoDB
- Airtable

Testing:
- Jest
- Supertest
- Enzyme

PROJECTS

Going Viral   *Site*   *Github*

D3 / Material-UI / Jest / Supertest / Redux / React / Node / MongoDB / Mongoose / Heroku / Netlify

In a ten day sprint my team and I learned D3 from scratch and fused that with our knowledge of React, Redux and MongoDB to create "Going Viral, Pandemic-Related Mobility Metrics". Our data sources included Global Mobility Reports from Google and Global COVID Case Statistics from Bing. My personal focus was munging geoJSON with the Global Mobility Reports and utilizing D3 alongside React to create the interactive choropleth globe. I also guided the architecture of our global state and contributed to the comparison line graphs.

Hards Against Cumanity   *Site*   *Github*

Next / socket.io / React / Node / Heroku

For this solo project I learned socket.io and the Next.js framework. Using these technologies, along with my experience in React and Node I created an online version of the card game Cards Against Humanity. Socket.io allows for bi-directional communication between web clients and servers. This makes for a seamless interaction between players. In addition to dynamic pages and routing, Next.js allowed me to pre-render the application server-side for faster performance and better SEO.

Shadespeare   *Site*   *Github*

Markov Chain / Twilio / Regex / Jest / Supertest / React / Node / MongoDB / Mongoose / Heroku

Using the markov-chains-text library we generated Shakespeare inspired insults for our bot "Shadespeare". With Twilio's calling and text to voice features we are able to send in Shadespeare to speak in a Zoom call. I lead our team in creating the chatbot, where we utilized regex to capture keywords and phrases so users can interact via text with Shadespeare and receive intelligent responses.

EXPERIENCE

Rebuilding Black Businesses (Open Source)   2020 - Present
Software Engineer

Live contributions include custom React forms and service functions connecting the website to an Airtable database.

Alchemy Code Academy   2020
Full Stack Software Engineer

Over 800 hours of rigorous professional training focusing on DRY code, team-building, critical thinking, and TDD methodology. More than the skills gained, I was taught and practiced how to learn.

Applebees   2016 - 2019
Bar Tops Server

I was quickly promoted to a fast paced position in the bar where I prided myself on creating personal connections with my regulars.

Guitar Center   2013 - 2016
Customer Service Lead / Assistant Manager

I was responsible for the training and continued performance of Sales Associates. I resolved customer complaints and worked with the sales staff to expand and strengthen customer relationships.