

# Alexander Benko

San Diego, Ca  
www.alexanderbenko.dev

(951) 662 -9171  
<https://github.com/alexbenko>

benkoalex521@gmail.com  
[www.linkedin.com/in/alexander-benko](http://www.linkedin.com/in/alexander-benko)

## Skills:

Languages: Javascript(ES6+), Typescript, Python, C++, Go  
Front End: React, JQuery ,HTML5, CSS3, Material U.I  
Back End: Node.js, Express, Golang, Flask, RESTful API Development  
Databases: MySQL, PostgreSQL, MongoDB , and AWS RDS  
Deployment: AWS EC2, AWS S3, Heroku  
Tools: Docker, Nginx, Jest, Next.js, GraphQL, Git, npm, Webpack, Gatsby.Js, Contentful  
Misc: Linux, Ubuntu

## Applications:

**HireMee** <https://github.com/alexbenko/HireMee-job-view>, React, Nodejs, Express, PostgreSQL

*A simple and social Job Application status tracking website built with a team of 4.*

- Implemented A Promise based form checking function that prevents users from adding a new application unless all the requirements were met.
- Established and met every daily standup with my team to discuss issues and solve them together in pair programming sessions.
- Built dynamically styled components where a variety of CSS would be applied based on certain conditions.

**Lululemon Review Section** <https://github.com/alexbenko/System-Design-Capstone>, React, Node.js, Express, PostgreSQL, Artillery, Loader.io, EC2, Docker, Nginx

*Deployed and horizontally Scaled a recreation of a website but with 10 million primary database entries*

- Created a script that generated and then inserted 20 - 70 million reviews into a Postgres database by generating a massive CSV file and then inserting it into my database.
- Indexed my Postgres database to keep queries under 50ms
- Horizontally scaled, increasing a 300 RPS , 10 % error rate, and 200ms latency to 8500 RPS , 0% error rate, and 130ms latency via a Nginx round-robin load balancer, 3 EC2 proxy servers, and server side rendering

**Fenty Beauty Navigation/Search Bar** <https://github.com/alexbenko/fenty-nav-youll-wanna-see-this->, React, Node.js, Express, MySQL, Babel, Webpack, EC2, Docker

*Worked with a team to recreate the product display page of a popular E-Commerce Website, Fenty Beauty*

- Built Out the Front and Back End for the nav bar and search component to mimic Fenty Beauty
- Implemented agile software development to render my team's components to build a complete web app
- Deployed to EC2 using Docker with all images and static files hosted on S3

**theLolStats** <https://thelolstats.herokuapp.com/>, React, Node.js, Express, Axios, Docker, Heroku, Material UI

*A stat website for the popular video game, League of Legends. Built entirely by myself*

- Built dynamically rendered web app and a responsive UI
- Improved page load speed by 90 % through proper configuration and Dockerization
- Refactored all callback functions to be promise based , and implemented *Asynchronous programming*, to ensure three GET requests resolved in the correct order where the later two are dependent on data from the first request

## Education:

**Hack Reactor** - Advanced Software Engineering Immersive 2020

**Diablo Valley College** - Computer Science 2017-2019

## Professional Experience:

**YMCA of San Diego County** | Head Lifeguard 2019 -2020

**Marin County Parks** | Senior Lifeguard 2017 -2019

- Managed staff of 15-30 lifeguards
- Organized and facilitated weekly/monthly training for staff to ensure up to date safety techniques.
- Collaborated with supervisors to implement new safety policies which reduced the amount of people needing lifeguard intervention by 40%