Alexander Benko

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Skills:

Languages: Javascript(ES6+)/Typescript, Python, C++, Go
Front End: React.js, Vue.js, Material UI, HTML5, CSS3
Back End: Node.js, Express, Flask, RESTful API Development
Databases: MySQL, PostgreSQL, MongoDB , and AWS RDS
Deployment: AWS , GCP, Azure , Heroku , Netlify
Misc: Linux, Ubuntu,Docker, Nginx, Jest, Next.js, Git, npm, Webpack, Jira, Github Actions

Professional Experience:

Jr. Full Stack Software Engineer | Direct Communication Solutions   **November 2020 - Present**
- Designed, developed, and maintained multiple software applications written in Node.js and React.js utilizing a SQL database.
- Collaborated with the software engineering team to develop and integrate APIs into the codebase.
- Recommended and implemented changes to products to ensure the best possible experience for the client.
- Improved initial load speed of an internal company website by 150% as well as several other optimization and critical bug fixes preventing the loss of important data.

Applications:

HireMee https://github.com/alexbenko/HireMee-job-view , React, Material UI, Nodejs, Express, PostgreSQL, AWS
A simple and social Job Application status tracking website built with a team of 4.
- Established and met every daily standup with my team to plan architecture, discuss issues, solve issues in pair programming sessions.
- Built dynamically styled components where a variety of CSS would be applied based on certain conditions.
- Implemented A Promise based form checking function that prevents users from adding a new application unless all the requirements were met.

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

Education:

Hack Reactor - Advanced Software Engineering Immersive   2020

Diablo Valley College - Computer Science   2017-2019

De La Salle High School   2012 - 2016

Misc Experience:

Senior Lifeguard | Marin County Parks   2019

Lifeguard 1 | East Bay Regional DIstrict   2017 - 2019

Competitive Year Round Swimmer | Terrapins Swim Club   2006 - 2017