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
    Tools: Docker, Nginx, Jest, Next.js, Git, npm, Webpack, Jira, Github Actions
    Misc: Linux, Ubuntu

Professional Experience:

Direct Communication Solutions | Jr. Full Stack Software Engineer   **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, 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 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, 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

Education:

Hack Reactor - Advanced Software Engineering Immersive   2020

Diablo Valley College - Computer Science   2017-2019