

# ALEXANDER BENKO

## CONTACT

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## LINKS

- <https://github.com/alexbenko>
- [alexanderbenko.dev](http://alexanderbenko.dev)
- [www.linkedin.com/in/alexander-benko](https://www.linkedin.com/in/alexander-benko)

## SKILLS

### Front End:

- Javascript (ES6+) and Typescript
- React.js
- HTML5
- CSS3
- Material U.I

### Back End:

- Node.js (Express and Fastify)
- Python (Flask and Django)
- Golang
- MySQL
- PostgreSQL
- MongoDB
- Restful API Development

### Deployment:

- AWS (EC2, S3, RDS)
- Docker
- NGINX

### Miscellaneous:

- Git / Github
- Linux
- Ubuntu
- Webpack / Babel
- Next.js
- Jest
- Websockets (Socket.io)
- Jira

## WORK HISTORY

**Jr Full Stack Software Developer**, 10/2020 to 02/2021

**Direct Communication Solutions** - San Diego, CA

- Revised, modularized and updated old code bases to modern development standards, reducing operating costs ,improving functionality, and increased apps overall speed by 150%.
- Designed, developed, and maintained several different software applications using a variety of tech , Node.js, React.js, MySQL, Material U.I, Vanilla JS/HTML/CSS.
- Introduced agile methodologies and effective development best practices to enhance product development.
- Performed software testing to uncover bugs and troubleshoot critical issues prior to application launch.

**Senior Lifeguard**, 05/2019 to 09/2020

**Marin County Parks**

## EDUCATION

Advanced Software Engineering Immersive, 06/2020

**Hack Reactor** - Los Angeles

Computer Science, 08/2019

**Diablo Valley College** - Pleasant Hill, CA

## APPLICATIONS

### **System Design Capstone**

React, Node.js, Express, PostgreSQL, Artillery,Loader.io, Docker, Nginx, AWS

- Deployed and horizontally Scaled an inherited codebase.
- Created a script that generated and then inserted 50 million mock reviews into a Postgres database by generating a 10 gb CSV file and then inserting it into my database.
- Horizontally scaled, increasing a 300 RPS , 10 % error rate, and 200ms latency to *8500 RPS+* , 0% error rate, and 130ms average latency via a Nginx round-robin load balancer, 3 EC2 proxy servers, and server side rendering

### **HireMee**

React, Material UI, Nodejs, Express, PostgreSQL, AWS

- A simple and social Job Application status tracking website built with a team of 4 following a strict deadline.
- 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.

**Fenty Beauty - Navigation and Search Bar Clone,**

*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