Leonardo Deutsch

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TECHNICAL SKILLS

Front End | JavaScript (ES5/ES6), React, Redux, HTML5, CSS3, Bootstrap, jQuery
Back End | Node.js, Express, MongoDB, MySQL, RESTful API Development
Testing/Deployment | Jest, Mocha, Chai, Enzyme, Artillery.io, Loader.io
Developer Tools |AWS, Github, Git, Docker, npm, NGINX, bash, Webpack, Babel, Postman, Agile Methodology

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Engineer | TBD: *System design of e-commerce API* |Node.js, Express.js, MongoDB, Mongoose, NGINX   github.com/SDC
- Designed scalable microservice with 50M+ records of product data for inherited front-end legacy service, handling 700RPS using 2 **AWS** EC2 T2.Micro instances for the server and the database.
- Optimized the server performance by reducing the number of client requests by a factor of 3 through pipeline aggregation, resulting in a more efficiently structured database.
- Identified database querying bottlenecks through **cloud load-testing**, incorporated indexing, selection and leaning of **Mongoose** queries, reducing latency from 3s to <10ms and RPS from 150 to 700.
- Scaled the **dockerized** microservice horizontally across 5 EC2 instances using **NGINX** to load balance, achieving 1400 RPS with response times under <15ms and 0% error.

Front End Engineer | Pantry Chef: *a recipe finder app* | React, CSS3, webpack, axios   github.com/PantryChef
- Rendered sortable, paginated recipes using **React.js** and **CSS** to deliver modular UI/UX.
- Designed and optimized recipe cards that adapt in size and detail of information displayed dependent on the user's platform (desktop/**mobile**) and scale different components of the application.
- Implemented favoriting/liking functionality of recipes with full integration with the back-end's user profile.
- Integrated dynamic ingredient checklist for recipes based on the available ingredients input by the user.

Full Stack Engineer | Project Catwalk: *retail web portal* | React, CSS3, webpack, axios, Express.js   github.com/ProjectCatwalk
- Designed the product overview of an e-commerce website using **React.js** to satisfy the detailed business requirements of the client.
- Developed a dynamic image gallery to display different images depending on the selected product style.
- Devised a responsive product size selector which retrieves the available SKU for that specific size and product, giving the option to add it to your cart.
- Deployed the product and optimized loading times by minifying and compressing the webpack bundle, reducing first contentful paint from 3+ seconds to <500ms.

PROFESSIONAL EXPERIENCE

Petroleum Engineer | Sulmara Subsea, Houston, TX   2020-2021
- Handled daily live data analysis of various oil field facilities in the Gulf of Mexico
- Analyzed deepwater oil production equipment through 6000ft+ deep live stream in cooperation with the robotics team controlling the ROV.
- Liaised communication with clients, partners, and engineering team on a daily basis to handle operations effectively
- Created effective data structures to organize and store equipment information, condition, and visuals.

EDUCATION

Hack Reactor | *Advanced Software Engineering Immersive Program, US Remote*   2021
Texas Tech University | *Bachelor of Science, Petroleum Engineering, Lubbock, TX*   2019