

Drew Henderson

Dallas, TX (Open to Remote, Willing to Relocate) | (469) 704-7151 | drewsworld16@gmail.com
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TECHNICAL SKILLS

Front End | JavaScript (ES5 and ES6), Java, Python, C++, React/Native, HTML5, CSS3, Redux, Zustand, Axios

Back End | Node.js, Express, PostgreSQL, MongoDB, MySQL, NGINX, RESTful API Development

Testing/Deployment | Jest, Mocha, Chai, AWS: EC2

Developer Tools | Vim, Git, npm, Webpack, Babel, Agile Methodology, Scrum, TDD

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Engineer | LiftItHigher | [Github Repo Link](#)

2022

Workout log built using React Native

- Developed attractive Mobile front-end using **React Native**
- Implemented State management using **Zustand**, to make for a quick and efficient front-end
- Using **RESTful techniques**, integrated Data from an external API as well as made calls to **Node.js** backend
- Integrated **Node.js** Backend to manage user-data and enable **data persistence** through a **MongoDB Database**

Back-End Engineer | Atelier Experience | [Github Repo Link](#)

2022

API Router and Database built using speed-oriented architecture

- Improved request throughput from 4 requests/sec to **upward** of 400 requests/sec by implementing **NGINX** load balancers to **horizontally scale server** requests to the **AWS EC2** instances
- Lowered Query execution time from over 200ms down to **under 1ms** execution time in **PostgreSQL** by implementing **aggregate queries**, and foreign key indexes
- Decreased **Stress Testing** cycle length by using **Loader.io** to identify and revise bottlenecks

Front-End Engineer | Project Atelier | [Github Repo Link](#)

2022

*Product-page for Clothing manufacturer, I implemented the Related Items and Your Outfit **Carousels***

- Styled component using **styled-components** to allow for clean modulated code within **React** components
- Allowed user to save products by implementing **local Storage** to enable **data persistence**
- Integrated **state management** using **Zustand** to reduce api calls and **React** component re renders
- Implemented comparison modal using **react-modal** to allow side-by-side rendering of **API data**

PROFESSIONAL EXPERIENCE

Associate Chemist | Sherwin Williams

2015-2022

- Standardized internal formulation software with system maintenance reducing room for error during internal usage
- Quickly tested new raw materials during period of raw material shortage to maintain product shipments
- Reformulated and tested existing primers to reduce cost and improve spray application

Analytical Chemistry Research Assistant | University of Texas at Arlington

2014-2015

- Communicated with the Primary Researcher to stay updated on new chemical testing requirements
- Strategized analytical software and equipment as required for testing
- Organized and parsed instrument data for use by Primary Researcher

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate

2022

Dallas College | Software Development

2021-2022

- Programming Fundamentals (I, II, & III), Computer Organization, Discrete Mathematics, & Linear Algebra

University of Texas at Arlington | B.S. Biochemistry

2015

- Calculus I, II, & III