

# TING HU

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## Summary

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- Driven and motivated full-stack developer with 5 years of experience in web development in an Agile environment.
- Developed single-page web applications using React, HTML, CSS, JavaScript, Bootstrap, jQuery, and more.
- Structured web applications for accessibility to all users by placing strategic headings, links, colors, and images in HTML.
- Seasoned in using functional components with React hooks such as useEffect, useState, and useMemo to construct viewer layer structure.
- Demonstrated experience in using Redux to manage the global application state and applying middleware such as Redux-Promise, Redux-Thunk, and Redux-Saga.
- Designed and implemented the RESTful APIs with Node.js and Express.js.
- Implemented and created authentication functionality using JWT.
- Analyzed data from irrational database using Mongoose and visualized it with interactive charts using chart.js and Victory.
- Skilled with working on both SQL databases and irrational databases.
- Knowledgeable in Software Development Life Cycle methods and utilizing Jira and GitLab as project managing tools.
- Proficient in using version control management tools such as Git and TortoiseSVN.
- Collaborated with the scrum team to collect client requirements, translate them to user stories, and create acceptance criteria.

## Skills

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**Programming Languages:** JavaScript, TypeScript, MySQL

**Client-Side Development:** React, Redux, HTML/HTML5, CSS/CSS3, jQuery, SCSS/SASS, JSON

**Server-Side Development:** MongoDB, Express.js, Node.js, GraphQL, JWT, Apollo Server

**Test Runners:** Jest, Postman

**Version Control and Project Management:** Git, JIRA, GitLab, TortoiseSVN

**Development Methodologies:** Agile/Scrum, Waterfall

## Work Experience

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**Cartegraph,**

Dubuque, IA, May 2021 - Present

**Role:** Front End Developer

**Project:** Cartegraph OMS

**Description:**

Cartegraph OMS is an operations management software that extends the life of assets, generates clear data on the expected spending routine and unexpected activities, organizes all maintenance requests for efficient planning and communication, analyzes gathered data for efficient budget spending, and tracks workstreams on both Apple and Android devices. The Cartegraph OMS includes 65+ pre-built asset templates that fulfill most business requirements for a multiple graphics interface.

**Responsibilities:**

- Implemented the various analytics dashboards using HTML, CSS, JavaScript, and other third-party libraries.
- Created a single-page platform for users to select the combination of the graphic interfaces and customize accessibilities.
- Generated tables to display the database and produced server-side filtering for desirable user experience.
- Enhanced and factored the prototyped UI components and participated in finalizing application architecture design.
- Developed server-side RESTful API using Express.js and MySQL for database services.
- Fulfilled version control by using Git during implementation.
- Ran unit tests for the application using Jest.
- Worked with the scrum team in an Agile environment that allowed for program and idea exchange.
- Involved in the planning of user workflows as a technical consultant.

**Paradigm,**

Middleton, WI, Jan 2020 - May 2021

**Role:** Front End Developer

**Project:** Paradigm Vendo

**Description:**

Paradigm Vendo is a digital selling application that connects manufacturers, home improvement contractors, and dealers. It provides full packaged features to enable end-to-end selling including appointment management, product configuration and comparison, quoting, customizable branding, and demo resources. With the application syncing to both contractors and dealers, the customers may easily navigate through the modules from the process of appointment creation to contract signing. This application also connects to Paradigm Omni for manufacturers' product endpoints.

**Responsibilities:**

- Managed and enhanced the product's front-end capabilities and user experience.
- Developed responsive user interface components using React, Redux, and other third-party libraries.
- Converted comprehensive layout and wireframes into working HTML pages.
- Maintained browser compatibility and optimized CSS performance.
- Utilized functional components and React hooks to construct UI elements for the application.
- Used Mongoose drivers to save and retrieve data from MongoDB by using and implementing Node.js server-side code.
- Debugged existing and newly created functionalities.
- Worked with scrum team in an Agile environment to deliver regular updates based on the sprint duration.

**BrightEdge,**  
**Role:** Front End Developer  
**Project:** ContentIQ

Chicago, IL, June 2018 - Dec 2019

**Description:**

ContentIQ is an advanced website audit tool that offers insights into any website with a complete analysis report by running a website URL through the application. The analysis report displays the overall score for each checking point, and the user can select different sections such as performance, content & page structure, total errors, etc. for detailed descriptions. It provides drastic traffic and conversion improvement opportunities by assessing both the content and technical aspects of the website.

**Responsibilities:**

- Designed dynamic and multi-browser compatible pages using React, CSS, and Material UI.
- Managed and enhanced the capabilities and user experiences with the product front-end.
- Contributed to a shared components library for the web application using Storybook.
- Handled HTTP requests by using Axios and developed RESTful web services for the backend using Node.js, Express.js, and MongoDB.
- Performed unit test by using Jest for the application.
- Used Git to track changes made to the file for project version control.
- Actively participated in Agile environment and was part of a scrum team.

**Sullivan Cotter,**  
**Role:** Front End Developer  
**Project:** Benchmarks360™

Chicago, IL, June 2017 - May 2018

**Description:**

Benchmarks360™ is a suite of intelligent, web-based products that analyze clinical productivity, visualize compensation, and image workforce composition for healthcare organizations. The application is designed with five distinct modules to nationally compare clients' clinical productivity data to identify outliers based on the market benchmarks and assesses incumbents to perform "what-if" analysis based on the industry standard. In addition, directs clients to achieve national physician and advanced practice providers' benchmarks from its current procedural terminology coding distribution.

**Responsibilities:**

- Analyze user requirements to manage the product's front-end capabilities.
- Engaged in system requirement reviews, system design review, detailed design review, and test plan review.
- Developed and optimized graphic prototype templates for the website.
- Translated the designers' blueprint into working React component and constructed the HTML page.
- Sectioned reusable components to based on module needs and wrapped with specific requirement into internal library.
- Audited Redux implementation and supported with data fetching and error handling.
- Implemented interactive user interface by using React functional components and consumed data with RESTful API.
- Utilized Jest to achieve 85% unit test coverage and performed CRUD testing on UI components.
- Collaborated in Agile environment to deliver solutions in a timely manner.