**SHANGHAO (KEITH) LI**

**FRONT END DEVELOPER**  Email: [keithli9395@gmail.com](mailto:keithli9395@gmail.com) | [Tel: (343) 988-3668](#_bookmark0)

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# *“I am passionate about what I do and always give 100%. When I undertake*

# *a project or task, I don’t just complete it, I go the extra mile*

# *and make it better than requested”*

# PROFESSIONAL PROFILE

# Front End Developer with 1 plus year of experience of front end web development using React from the ground up – design, development, debugging, troubleshooting, delivery and maintenance. Possessing a good eye on aesthetic design such as typography, colour, and layout. Proficient in an assortment of technologies and tools, including JavaScript (ES8), HTML5/CSS3, React, Redux, SCSS and git. Extreme passionate about front end development and eager learning attitude towards new technologies. Mastery of time-management and communication skills. Able to effectively self-manage during independent tasks, as well as collaborating in a team setting.

# TECHNICAL SKILLS

# Languages: JavaScript (ES8), HTML, CSS, CSS preprocessors (SASS), SQL

# Library/Framework: React, Redux, node.js, express, Jest, Material-UI, Bootstrap, styled-components, storybook.js, Highcharts

# Database management Systems: MongoDB, MySQL

# Web services: REST API, JSON, AJAX, Axios

# Technologies/Tools: Netlify, Heroku, Husky, Apache Cordova, Git & Github, NPM, CircleCI

# [WORK EXPERIENCE](#_bookmark0)

***Junior Front End Developer / Research Assistant*** May 2019 – Present

*University of Ottawa, Ottawa, Canada*

**Project: E-commerce Mobile Hybrid App Development for Local Merchants | Front End Developer (**[**https://github.com/hereiskeith/BizMSM-e-commerce-application**](https://github.com/hereiskeith/BizMSM-e-commerce-application)**)**

* Designed and built the application and responsive user interfaces using React & Material-UI and managed state through react-redux, Redux, Redux-Thunk and ImmutableJS
* Implementing web services for fetching data from the server by using RESTful APIs and Axios
* Integrated with PayPal checkout API and Google Map API to allow top-up and accurate location service
* Created two sets of interface for merchants & consumers respectively and adopted react-Intl library to internationalize the application with English and Chinese version
* Adopted Block-chain technology to verify and authenticate the transactions and records
* Packaged and supported the deployment of releases on the Android platform through Cordova and applied version control software (Git) to track and update pre-existing source code

**Project: React Dashboard App | Developer**

**(**[**https://github.com/hereiskeith/React-dashboard**](https://github.com/hereiskeith/React-dashboard)**)**

* Created a pixel-perfect match and fully-responsive website from the mockup design using CSS Grid, CSS Flexbox and SASS
* Developed reusable functional UI components without the help of any CSS and UI frameworks.
* Used React and Redux to build the user interface and manage state
* Adopted Highcharts & react-highcharts to display charts for data fetched from open API
* Deployed and built the website on the cloud through Heroku

**Project: EmailyPlus Web Application | Full-stack Developer**

* Built both the client side and server side of the project with NodeJS, React, Redux, Express, MongoDB and Mongoose.
* Integrated Google OAuth authentication into the application to allow users to login, accepted and processed credit card payments from users through Stripe
* Effectively created a survey email, displayed survey email list on the front end and sent emails from a back end server
* Implemented deployment techniques between the production and development environments

**Project: Personal Name Card | Developer**

* Developed a responsive simple web application with CSS Flexbox layout using React Hooks and BootStrap 4
* Converted class-based components to function components using useState, useEffect built-in hooks API in React
* Provided language-switched feature by adopting React built-in createContext and useContext while managing state using useReducer hook API instead of Redux
* Implemented the backend server and managed a small well-functioning database using express, node.js and MySQL to store comments giving by readers who viewed the website

***Engineer in Training (EIT)***  August 2018 – March 2019

[*D.L. Engineering Inc., Richmond Hill, Canada*](#_bookmark0)

* Coordinated with clients on-site and through phone & email and designed wood structural buildings

# [EDUCATION](#_bookmark0) & CERTIFICATES

***Node with React: Full-stack Web Development Certification*** March2020

[*Udemy, E-learning*](#_bookmark0)

***Master of*** ***Engineering in Civil Engineering, GPA 9.7/10*** Sep 2016 - June 2018

[*University of Ottawa, Ottawa, Canada*](#_bookmark0)

***Bachelor of Engineering in Civil Engineering, GPA 8.7/10*** Sep 2012 – June 2016

*Guangdong University of Technology, Guangzhou, China*