zengks@outlook.com

CHEN ZENG

(778) 688-1675

PROFESSIONAL SUMMARY

Versatile professional with a unique combination of over 4 years of experience in both electrical engineering and web development, including 2 years focused on React.js. Expert in designing and developing user interfaces, testing, debugging, and building reusable components. Proven ability to translate designs and wireframes into high-quality code and optimize components for maximum performance. Proficient in modern JavaScript frameworks and libraries, as well as front-end, back-end, and database technologies. Excellent communicator, able to work well in collaborative team environments or independently and committed to continuously improving and learning new technologies.

EMPLOYMENT

Software Developer   **Ensemble Systems**   **SEP 2022 – NOV 2022**

- Translated Figma UI/UX wireframes and design mock-ups into pixel-perfect user interfaces using React.js and TypeScript ensuring attention to detail and adherence to design specifications.
- Utilized state management libraries such as Redux to effectively manage application state and facilitate data flow between components.
- Integrated Best Buy's RESTful APIs and backend services, such as GraphQL and PostgreSQL, into React.js applications ensuring seamless data retrieval and manipulation.
- Implemented unit tests, and Cypress tests and participated in code reviews to ensure code quality, maintainability, and adherence to improve productivity.

Front-End Web Developer   **Top Gyu Cabin Corp.**   **DEC 2021 – SEP 2022**

- Developed and customized WordPress e-commerce stores for the company with the best suitable themes and plugins that meet all functional goals and follow best practices and coding standards.
- Developed a full-stack web app in ReactJS and Firebase for the company's internal communication system, which allows leaders and managers to oversee workflows from all employees.
- Conducted comprehensive website audits and performed in-depth keyword research to identify opportunities for search engine optimization improvements.
- Implemented on-page optimization strategies including optimizing meta tags, headings, URLs, and content structure to improve website visibility and search engine rankings.

Front-End Web Developer   **Cine Gears Inc.**   **JUL 2021 – DEC 2021**

- Developed interactive and responsive web applications that manage and track employees' work schedules and daily tasks using React.js, Redux, JavaScript, HTML and CSS following industry best practices and coding standards.
- Participated in the entire software development lifecycle from requirements gathering and design to implementation, testing, and deployment.
- Developed and customized WordPress e-commerce websites for the company utilizing PHP, HTML, CSS, and JavaScript to meet specific business requirements and design goals.
- Built and maintained custom WordPress themes and plugins ensuring adherence to best practices and coding standards and enhancing website functionality and performance.

Electronic Assembler   **Cantronic Systems (Canada) Inc.**   **MAR 2020 – MAY 2020**

- Built, soldered, and tested electronic circuits based on circuit design diagrams.
- Built and assembled electronic parts for infrared radiation fever scanners.
- Verified wire connections and circuits' functionalities using in-house software tools.

Electrical Technician   **AquaCoustic Remote Technologies, Inc.**   **JAN 2017 – OCT 2019**

- Diagnosed electronic modules' connections on robotic machines that conduct infrastructure surveys and inspections.
- Built and tested circuits based on schematic diagrams that optimize the performance of the robotic electrical systems.
- Processed collected multi-sensor data using in-house built software tools, based on NASSCO standardization, to evaluate the conditions of trunk sewer pipelines in terms of durability and defection.

EDUCATION

Burnaby, BC   **British Columbia Institute of Technology**   **JAN 2020 – APR 2021**
- Associate Certificate in Applied Web Development, April 2021. GPA: 86% (With Distinction)
- Coursework: Software Foundations; Web Design; Full-Stack Development; Programming Languages; Database; Agile methodologies; Computational Theory;

Vancouver, BC   **University of British Columbia**   **SEP 2011 – APR 2016**
- Bachelor's Degree in Electrical Engineering, April 2016.
- Undergraduate Coursework: Calculus; Electric Circuit Theories; Integrated Circuits Design, Build, and Diagnose; Transformer Theories;

TECHNICAL EXPERIENCE

Projects
- **GitHub Finder** (2022). Web app where GitHub users can quickly look up their own account profiles with one click of a button. ReactJS, Typescript, Firebase, MongoDB, Express, NodeJS
- **Feedback UI** (2022). Web app where users can write down their reviews along with a rating scale from 1 – 10 and have it displayed on the page. ReactJS, MongoDB, Express, NodeJS
- **House Market** (2022). Web app on where users can post their real estate properties for sale or rent along with details after logging onto their accounts. ReactJS, MongoDB, Express, NodeJS

ADDITIONAL EXPERIENCE

- **ReactJS Developer** (2023 – Present): Part-time working with developers from CozyStay to develop the web app where users post their own homes for visitors to have short-term stays. Tech stack includes Typescript, ReactJS, GraphQL, MySQL, MongoDB.

LANGUAGES AND TECHNOLOGIES

- MongoDB; ExpressJS; ReactJS; NodeJS; HTML; CSS; Vanilla JavaScript
- MySQL; PostgreSQL; GraphQL; Firebase; Bootstrap 5; Git
- Visual Studio Code; WordPress; PHP Laravel; Restful API; Unit & Jest Testing

CERTIFICATIONS

- **FreeCodeCamp** – Front End Development Libraries, issued April 8, 2023
- **FreeCodeCamp** – Back End Development and APIs, issued March 30, 2023

PORTFOLIO LINKS

- **GitHub** – https://github.com/zengks
- **Portfolio** – https://czsteven.com
- **LinkedIn** – https://www.linkedin.com/in/chenzeng91