

Professional Summary

Detail-oriented and innovative Web Developer with a Bachelor's in Mathematics & Computer Science and an Associate of Science in Database Application Developer, specializing in both front-end and back-end development technologies and frameworks.

Leveraging extensive education and professional experience to create and optimize user-friendly, high-performance websites and web applications. 7 years of coding experience studying and working in multiple languages and practical projects. Proficient in a range of programming languages and technologies, including HTML5, CSS3, and JavaScript, with a deep understanding of various development tools and platforms. Exhibiting strong analytical and problem-solving skills to assess and optimize software and database performance, integration, and security, ensuring the delivery of high-quality, secure application solutions. Adept at collaborating with cross-functional teams and clients to align software solutions with business goals and user needs, demonstrating commitment to elevating user experience and customer engagement through innovative feature development / implementation. Passionate about acquiring and applying advanced networking technologies through continuous learning, demonstrating proficiency in both broad-based and specialized knowledge areas. Self-motivated and committed to personal development, with a focus on mastering network technology and sharing acquired insights and knowledge through informal teaching and practical application.

Technical Proficiencies

Core Front-end Development | Back-end Development | Cloud Deployment | Version Control | Performance Optimization | cross-browser
| Software Testing | Collaborative Development | Customer Engagement | Analytical Skills | Problem Solving | Responsive Design | Agile
Methodologies | Quality Assurance | Project Management

Platform: Azure/AWS Deployment

Front-end development: HTML5, CSS3, JavaScript (ES6), jQuery, React.js, Vue3,

Back-end development: NodeJS, ExpressJS, SpringBoot(Java), Django(Python),

Version Control: Git, GitHub, RESTful APIs and Web Services

Education

Bachelor of Science in Mathematics & Computer Science, 2021 | McMaster University - Hamilton, ON

Mathematics: Calculus | linear algebra | Statistics | Number Theory | R-code

Computer science: Python | Java | C/C++ | Linux system | Object-Oriented Programming | Algorithms | Discrete Math | OpenGL(C++) |
Human Computer Interfaces | Machine Learning | HTML5 | CSS3 | JavaScript | React.js

Learned fundamental (Python, Java and C/C++) code and syntax. Ability to optimize code by combining mathematical concepts, algorithms and discrete mathematics. Have a basic understanding of front-end and back-end database development and game development engines. Have a certain expansion and understanding of new technologies in the field of modern computer science.

Associate of Science, Database Application Developer, 2023 | Seneca College of Applied Arts & Technology, ON

Database Design | Cloud Compute | Version Control | Advance Java | Connectivity of Web Application | Web Programming (Node.js) | React.js |
Accessing Big Data | Security in Database and Web Applications

Successfully acquired advanced knowledge and skills in various programming languages such as Java, Python, and SQL, enabling the design, development, testing, and maintenance of a range of database applications and solutions. Successfully acquired advanced knowledge and skills in various programming languages, enabling the design, development, testing, and maintenance of a range of database applications and solutions. Cultivated strong analytical skills, allowing for effective assessment and optimization of software and database performance, integration, and security, thereby facilitating the development of high-quality, user-friendly, and secure application solutions. Secured comprehensive skills in front-end and back-end web development technologies.

Projects Experience

Shopping Cart: Use React.js as the front-end development content to create the system page of the shopping cart. Images and data are analyzed, processed and calculated in the form of API inert. The page will display the item's picture, quantity, ID, price and total number, as well as some key-press changes to the status.

Voice navigation system: Use React's react-speech-recognition and react-google-maps/api libraries. It enables navigation for us when we use voice input. The website can implement voice interaction to facilitate drivers to change destinations while driving.

Mobile position sensor game: Create a simple game using react-hook/window-size and react-hook/orientation. The tilt angle of the page will determine the position of the ball on the page. If the ball hits the scoring point, extra points will be added.

Library System: HTML/CSS is the front-end, SpringBoot is the back-end, and MongoDB is the library management system developed for the database. The information of book and borrower will be stored in the database and can be viewed and updated by the administrator.

School System Simulator Project: Utilized HBS/CSS/JavaScript/Nodejs/MongoDB for the development of school system. The website has a public part and a certified part. You need to enter your ID and password to access. Administrators have the authority to allocate class schedules and manage time. Teachers can view information about courses and students they teach. Students can view their own information and information about courses they have taken.

Work Experience

Sictec Group Inc., Markham, ON
Junior Web Developer

12/2022 to Present

Key Responsibilities:

- Orchestrate testing protocols aimed at identifying system flaws.
- Engineer maintainable software aligned with business goals and client demands.
- Collaborate on feature development using React.js to augment site UX.
- Utilize NodeJS and SQL technologies to design and oversee databases.
- Maintain Focus on rapid and accurate job completion to enhance team effectiveness.

Key Accomplishments:

- Achieved improvement in website speed by optimizing performance and load times.
- Elevated customer engagement through the successful implementation of a feedback feature in React.js.
- Amplified operational efficiency by contributing to team projects with speed and precision.

Reference

Java Database Connectivity at the Seneca Collage:

Dilli Sharma

Professor of Computer Science

Relation: Was one of my professors in the Database Development Program

Email: dilli.sharma@senecacollege.ca

Junior Web Developer at Sictec Group Inc. :

Laurie Wu

General Manager

Relation: General Manager and Team leader

Email: lauriewu@sictec.com