

Education

Bachelor of Computer Science, University of Manitoba

2015 - 2020

Core Courses: Software Engineering, Distributed Computing, Computer Networking, Database Implementation, Database Tuning & DBMS, Data Structure and Algorithms, Human and Computer Interaction

Technical Skills

Programming Language: JavaScript/TypeScript, Java, C#, SQL, C++, HTML/CS, Python

Frameworks/Database: React, Redux, Node.js, Express, Jest, React Bootstrap, Ant Design, MongoDB, PostgreSQL, MySQL

Services/Tools: AWS, CI/CD, Docker, Jenkins, Git/GitHub, Postman, Figma, RESTful API, OOP, Agile Methodology, SDLC

Work/Project Experience

Software Developer II

Jan. 2021 – Present

Manitoba Public Insurance, Winnipeg, Manitoba, Canada

- Worked as a core developer in SharePoint Online Agile Scrum team to build and maintain web applications.
- Designed and implemented web application's UI components using React and created server-side REST APIs using C#.
- Created and performed automated unit tests with Jest for UI components, expanding code coverage to 80%, minimized bugs introduced in the production and new features deployment.
- Built high quality and reusable modularized React components and C# code to largely saved teams development time.
- Collaborated with product team and customers to incorporate application feedback and resolved urgent and function issues.
- Provided mentorship to Developer I for developing and deploying new features.
- Developed and deployed multiple SaaS Power Apps and automate flows for the SharePoint migration projects.

Front-End Web Developer

Sep.2023 – Dec. 2023

Web Project – iTravel eCommerce Shopping Platform, Front-End, Winnipeg, Manitoba, Canada

- Developed and deployed the web application using React and TypeScript with module design pattern.
- Utilized Ant Design library, React Router and hooks to create customized UI components. Introduced internalization to the web application by leveraging the use of React i18next framework.
- Integrated the application with RESTful APIs using JWT tokens to enhance security and efficiency in data communication.
- Centralized states management by utilizing Redux store, improving the application's performance and responsiveness.
- Wrote unit testing with 85% test coverage and implemented automated CI/CD pipeline with Docker and Jenkins.

Full-Stack Web Developer

March – July 2020

Web Project – SEO Blogging Platform, Winnipeg, Manitoba, Canada

- Developed and deployed the application utilizing React, Next.js, Node.JS and Express.
- Built REST APIs and middleware to manage search, create, update and delete requests for users using MongoDB database.
- Developed customized UI components using React and React Bootstrap, integrating them with REST APIs using JWT tokens.
- Utilized Mongoose library to define robust data models, seamlessly managing data in MongoDB.
- Deployed the application on DigitalOcean using Docker and Nginx.

Junior Java Developer

Jan. 2020 – July 2020

Web Project – Online Currency Trading System, Winnipeg, Manitoba, Canada

- Built a synchronized multi-threading TCP server using Java Socket and Server Socket for concurrent TCP requests.
- Used MySQL to created application's normalized database and JDBC to integrate it with server.
- Leveraged HTML and CSS to build app's pages and used Ajax for dynamic data exchange with server.

Junior SQL Developer

Sep.2019 – Dec.2019

Database Project – Royal Victoria Hospital Database, University of Manitoba, Canada

- Developed and maintained a normalized relational database using PostgreSQL. Implemented advanced SQL queries and used indexes and SQL execution plans to improve database's query performance.

Certification

Certified Meta Front-End Developer Professional

2023

Certified Amazon Web Services Cloud Practitioner

2023

Certified Scaled Agile Development Practitioner – SAFe®5

2021