

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, Azure, 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 on the SharePoint Online Agile Scrum team, building and maintaining web applications.
- Designed and implemented UI components for the web application 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 production and new features deployment.
- Built high quality and reusable modularized React components and C# code, largely saving teams development time.
- Utilized Azure DevOps for daily end-to-end Agile project management, continues integration and deployment. Collaborated with the product team and customers to incorporate application feedback and resolve urgent functional issues.
- Mentored Developer I in developing and deploying new features for web applications, enhancing Agile team's capabilities.
- Developed and deployed multiple SaaS Power Apps and automated flows for 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 a web application using React and TypeScript with module design pattern.
- Utilized Ant Design library, React Router and hooks to create customized UI components for different user roles.
- Introduced internalization to the web application using the React i18next framework.
- Integrated the application with RESTful APIs and 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 Node.js, Express, React and MongoDB.
- Built backend REST APIs with middleware to manage search, create, update, and delete requests from front-end users.
- Implemented robust data models with Mongoose library to efficiently manage MongoDB data.
- Created customized UI components using React and React Bootstrap, integrating them with REST APIs using JWT tokens.
- Used Docker and Nginx to deploy the application on a cloud server hosted by DigitalOcean.

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 ServerSocket to concurrent TCP requests.
- Used MySQL to create application's normalized database and JDBC to integrate it with the server.
- Leveraged HTML and CSS to build app's pages and used Ajax for dynamic data exchange with the server.

Junior SQL Developer

Sep.2019 – Dec.2019

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

- Developed and maintained a normalized relational database using PostgreSQL. Implemented advanced SQL queries and utilized indexes and execution plans to enhance 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