Xin (Shawn) Liu

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Education

- Master of Computer Science, Wilfrid Laurier University   2019 – 2021
- Master of Economics, Carleton University.   2015 – 2017
- Bachelor of Science (Mathematics), Dalhousie University.   2010 – 2014

Skills

- Programming Languages: C#, Python, JavaScript (ES6), Java, PHP,
- Web: Html, CSS3, JavaScript , TypeScript, REST API, JSON
- Backend Frameworks: Asp.net core and other related libraries, Django, Node.js
- Mobile Development: Xamarin, Xamarin forms
- Docker and Git

- Font-end Frameworks: React and other related Libraries, Vue.js, jQuery and Bootstrap.
- Databases: Microsoft SQL Server, PostgreSQL, MySQL, SQLite.
- Familiar with Linux (CentOS 7) system
- Familiar with AWS cloud services (VPC, EC2, RDS, S3, etc.)

Experience

MAY 2018 – MAR 2021

Software Developer (Full Stack) Business Drives Inc., Toronto

- Developed Electronic Health Record SaaS software (c#, Asp.net core, React).
- Developed mobile software for supply chain management by Xamarin forms.
- Design and developed Instant Message Module for system.
- Resolved high latency problem by introducing catch database, Redis.
- Developed many features for core platform, such as wizard, layout engine and etc.
- Working in an Agile team by using SourceTree, Jira, etc.
- Working in a fast-paced environment and met deadlines

Web Developer / DroneZone+, Ottawa

- Implemented multiple interactive WordPress page templates through Bootstrap 4 and CSS3.
- Collaboratively developed mail distribution restful API feature by using composer and Mandrill mail API.
- Maintain company home site, manage new content release, and test website performance.

Projects

BDI EHR (electronic health record)

URL Address: https://admin.businessdrives.com/

- **Technology Stack**: Asp.net core (3.1), React and other related libraries
- **Client**: Clarity Eye, a Toronto based eye clinic with 5 clinics around Toronto.
- **Description**: BDI EHR is a SaaS platform for electronic health record and management. Currently, Clarity Eye is using this system to manage their patients, Inventory, Human Resource and financial reports. This system including 5 modules, Instant Message, Calendar and Schedule, System Management, Profile Management and Reports.
- **My Responsibilities**: Main Developer for this project. Developed Instant Message Module, Calendar and Schedule Module, and Reports
- **Frameworks and Libraries**:
  - Use Asp.net core to develop REST API
  - DTO(AutoMapper), Entity Framework, Dependency Injection, Rest API, Asynchronous programming
  - Use AWS EC2, Linux, Nginx, kestrel, docker to Host application
  - Use Git and BitBucket as code management tool
  - This system uses NuGet, npm to manage libraries.
  - Use Axios to consume APIs from back-end to get or modify data
  - Use React and redux to build Single page application and front-end components.
  - Uses Springboot and Netty framework to build Socket Server and implement it to Instant message module.
  - Use Redis as a cache database.

BDI Supply Chain Management

This is a Mobile application for Supply Chain Management

- **Technology Stack**: Xamarin forms, SQLite
- **Client**: International Medical Company, Qatar
- **Description**: This is a mobile app for supply chain management. The main features are including Inventory management, items track management, factory label print, etc.
- **My Responsibilities:** Developed this app from scratch. Consume Rest API from platform and store large dataset in local SQLite database. Intergrade hard wares to the app, such as label printer, laser scanner and factory camera.