JIANCHENG CHEN

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SKILLS

LANGUAGES
- C • C# • C++ • JavaScript • SQL • NoSQL • MATLAB • Python • Ruby • Bash

LIBRARIES
- ASP.NET • Node.js • AngularJS • React • Entity Framework (ORM) • LINQ • Ruby on Rails

Services
- Visual Studio • MS SQL • MongoDB • Azure Cloud Services • Machine Learning Studio • Power BI • Redis
- Apache • Git • IIS • Jira • RabbitMQ

EXPERIENCES

BDO CANADA   01.2018 – 04.2018
Junior Consultant   Mississauga, Ontario
- Created scalable microservices for schedulable data collection and reconciliation in Azure Service Fabric.
- Generated a API's performance monitor for Ontario 211 including popular times, top N keywords and request geolocation.
- Applied Machine Learning to predict future community service usage and Natural Language Processing to chat bot.
- Analyzed historical data of Green Shield Canada and employed data mining techniques to exploit business insight.

DEALER-FX   05.2017 – 08.2017
.NET Developer   Markham, Ontario
- Used AngularJS and ASP.NET to maintain web portal and API service of CRM for auto dealerships.
- Developed a two-way messaging module with Twilio SMS service to support online conversation with customer.
- Executed Database First Method to alter data model and implemented unit testing with dependency injection.
- Speeded up data fetching by creating cache in Redis and created schedulable caching service.

BLACKBERRY   09.2016 – 12.2016
Security Automation Developer   Waterloo, Ontario
- Created a data validation module and data pipeline for CVE security vulnerabilities imported from CSV or Excel files.
- Increased security investigation efficiency by building an event-driven data processing pipeline.
- Decreased coupling between Data Transfer Object and Data Access Object by creating a data transformation layer.
- Used Entity Framework to generate database schema using existing data model and migrate data from MySQL to MS SQL.

PARALUCENT   01.2016 – 04.2016
Web Developer   Toronto, Ontario
- Developed a cloud-based SaaS Application by using ASP.NET for fund analysis, already subscribed by BMO.
- Implemented stored procedures and database schema to process mutual funds' data and calculate Return of Capital.
- Enhanced front-end architecture by using KnockoutJS to set up MVVM and Node.js to manage javascript dependencies.

ROC AVIATION CO.,LTD.   05.2015 – 08.2015
Software Developer   Shanghai, China
- Set up continuous integration for rocaircraft.com and executed product marketing on social media
- Built a multi-language module for E-Commerce platform and provided related aircraft products for clients.

PROJECTS

www.43km.co   09.2015 – Present
- Cooperated with friends to build a new generation of sharing travel stories using Ruby on Rails.
- Researched on Google Map API and displayed routes, points of interest, transportation on map.

daniel321c.github.io/react_travel   05.2018 – Present
- Used React to develop a web portal of tourism data analysis and host a demo site on github page.
- Set up web API services by Node.js and collect tourism data from online free data sources by Python.

EDUCATION

University of Waterloo   09.2014 – Present
- 4B Computer Science | Business Option, Honors, Co-op   (Expected 04.2019)