

Kelvin Yan

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OVERVIEW

- Experienced in object-oriented programming; built front and backend applications
- Proven ability to quickly learn and master a wide range of technology skills and be a persistent problem solver

LANGUAGES

C#, PHP, Python, JavaScript, TypeScript, SQL, PowerShell, Bash

PERSONAL PROJECTS

[Meddly](#) – (*in-progress*) A web application to connect medical employers and jobseekers in Canada.

Tools used: Angular 8, ASP.NET Core, Entity, PostgreSQL, Digital Ocean Spaces (S3 object storage), GulpJS

[PRNMedicalTeam](#) – A web application to connect hospitals and clinics in the UK with Doctors and Nurses. Features file uploads and downloads, email notifications.

Tools used: Angular 7, ASP.NET Core, Entity, Azure SQL, Prerender, SendGrid

[Markup schema generator \(JSON-LD\)](#) – A web application that generates valid JSON-LD markup text which is used for SEO and search engines to improve recognition and understandability of page routes. **Tools used:** Angular 7

PROFESSIONAL EXPERIENCE

Analyst Programmer, TapToPay, Hong Kong — 09/2019 to present

Add features and apply bug fixes for add-value machine projects. Added 3rd party e-value services. **Achievement Highlights:**

- Designed and developed a scalable multi-tenanted fleet tracking system using Angular, ASP.NET Core, Google Maps JavaScript API, Akita, MySQL, and gRPC.

Self-employed, Bravoka Digital Designs — 03/2018 to present

Build and deploy several websites and web apps using Angular and ASP.NET Core.

Support Engineer, BigPark — Microsoft, Vancouver, BC — 12/2016 to 03/2018

Provided app support for department's portfolio of web apps and Microsoft Store apps. Troubleshoot backend services, investigate root cause, and apply patches. **Achievement Highlights:**

- Migrated Windows Splunk clusters to Linux, integrated with Azure Active Directory, and improved resource efficiency to reduce Azure resource costs by over 90%. Became go-to person for Splunk issues. Created a template script to deploy new sets of Splunk servers and auxiliary resources.
- Wrote various scripts used for app health and Azure resource monitoring.
- Wrote a dynamic and configurable request simulation system used to model concurrent user-sessions used to benchmark and measure service-impact.
- Part of a team of engineers and data scientists using Angular, ASP.NET Core, Cosmos DB, and Azure Service Fabric framework to create a pre-emptive service impact warning system.

Technical Lead (Field Operations) — Cubic Corporation, Vancouver, BC — 04/2015 to 12/2016

Supported faregate and ticketing systems operations. Provided remote and on-site support for POS, NFC encoders, and network equipment. Coordinated site installations with contractors. **Achievement Highlights:**

- Wrote PowerShell scripts that run parallel tasks to automate recurring tasks such as pulling log files, verifying configuration files, and deploying updates during non-production hours.
- Used PowerShell to create a GUI used to generated filtered data and exported as CSV/Excel.
- Bug tracking, investigated log relationship to link hardware/software issues, troubleshoot networks problems.

Communications System Technologist — DND, Edmonton, AB — 10/2010 to 10/2014

Installed and maintained coaxial, fiber, Ethernet, and electrical systems. Used schematics for systems and equipment repair.

EDUCATION

Electronics Technician Diploma — George Brown College, Toronto, ON — 2012 to 2013