MICHAEL DRYDEN

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PROFESSIONAL SUMMARY

Innovative Software Architect with over 15 years of experience designing, building and optimizing complex systems and mobile applications across a variety of industries, including Financial Services and AgriFoods. Proven track record in leading teams to deliver cutting edge solutions and transform legacy systems. Committed to continuous learning and applying best practices to deliver value to all stakeholders.

WORK HISTORY

Co-Founder, March 2024 – Present
Software Consulting Partnership, Winnipeg, MB

Co-Founder of a software consulting partnership specializing in legacy system modernization, system integrations, mobile and web development, and cutting-edge cloud solutions.

Software Architect, February 2022 – March 2024
Ellement Consulting Group / Strive Business Solutions, Winnipeg, MB

Software Architect designing and building distributed systems, automation solutions and mobile applications for a Financial Services company and consulting clients.

Responsible for mentoring developers on the team, architecting and launching new projects, building and maintaining continuous delivery pipelines and integrating legacy systems with new applications.

Projects include:

- Design and implementation of a low-code platform to enable end-users to configure and validate complex business calculations using Vue and Python
- Transformation of a single-tenant monolithic application into a scalable, multi-tenant, event-driven set of microservices using Kubernetes, Dapr, Python and Go
- Architecture and implementation of a mobile data-entry application designed for seamless operation in low-connectivity environments
- Automation of reporting processes using scheduled tasks, Python and Docker

LANGUAGES

- Python
- C#
- Go
- HTML/CSS/JS
- T-SQL
- Dart

PLATFORMS

- Windows
- Linux
- MacOS
- Azure
- Google Cloud Platform

SOFTWARE

- Kubernetes
- GitHub & GitHub Actions
- Docker
- Octopus Deploy
- MS SQL Server
- MongoDB
- CosmosDB
- BigQuery
- Redis

FRAMEWORKS

- FastAPI
- Flutter
- ASP.Net Core MVC
- Express
- NodeJS
- Vue

Software Development Manager, 2018 – 2022
Rimmer Technology Partners, Glenboro, MB

Senior developer and team leader building enterprise applications for a major AgriFoods business and in-house Software-as-a-Service applications.

Responsible for managing and mentoring the development team, designing and implementing new features, and architecting new solutions.

Projects include:

- Maintenance and enhancement of a legacy application built in .Net
- Development of cloud-based web products built in NodeJS, AngularJS, Python and Vue
- Development of mobile applications deployed on iOS and Android using Flutter

Software Developer, 2007-2018
Custom Software Solutions, Virden, MB

Project lead for an industry-leading web-based insurance transaction application.

Responsible for designing, building, testing and releasing stable software, meeting with clients and managing a team to meet project deadlines.

OTHER PROJECTS

110yards.ca, 2018 – Present

A free and open-source CFL (Canadian Football League) fantasy football platform.

Consists of a mobile-friendly web application written in Vue and hosted with Firebase and a set of supporting APIs hosted in Google Cloud Run and written in Python and FastAPI.

cflstats.ca, 2014 – 2019

An independent statistics website for fans of the CFL which offered a searchable database of games, players and play-by-play data dating back to 2008 and a JSON API to enable third-party integrations.

Built using ASP.Net MVC and SQL Server, and hosted in Amazon Web Services.

cfl-api.Net, 2016 – 2023

An open source .Net library for interacting with the CFL's official API (now defunct).

City Game Tracker, 2005-2007

An open-source video game fan site and stat collection tool.

Consisted of a web application written in ASP.Net, a desktop application which collected player game data and communicated with a SOAP XML API.

EDUCATION

Microsoft Certification: Programming in C#, 2018

Computer Programmer, 2004-2006
Fanshawe College, London, ON

Completed 3 of 4 semesters towards the Computer Programmer diploma