

Ryan D'Souza

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33 Bay Street, Toronto, Ontario

LANGUAGES, SKILLS AND TECHNOLOGIES

- **Languages:** HTML5, CSS3, JavaScript, Vue.js, JSON, Node.js, NPM, SASS, Git, ASP.NET, ASP Classic, PowerShell, batch, vbscript, bash, C#, XML, SQL, Java, Python, Android, PHP
- **Skills:** Web development (vanilla JavaScript, PWA, client side, frameworks, templating, single page apps, AMD, sockets, dev tools, web workers, async, regex, ES6, preprocessors, API's and more), algorithms, software engineering, business analysis, quality assurance, AI, blockchain, IT best practices, mentoring/training
- **Operating Systems:** Microsoft Windows, Linux
- **Applications:** Microsoft SharePoint 2010/2013, SharePoint Designer 2010/2013, HighQ, IIS, FootPrints, iManage, Kira, Microsoft DTS, Microsoft Office, Visio, Adobe Photoshop, GitHub, Team Foundation Server, Kentico, Wordpress

EMPLOYMENT

Senior Solutions Developer Dentons Canada LLP 2018 - present

- Architected solutions on SharePoint and HighQ for business development problems.

Web Developer Osler, Hoskin & Harcourt LLP 2012 - 2018

- Awarded the Winning Osler Worker bonus award/recognition for innovation related work in 2017.
- Deployed upgrades and fixes on SharePoint 2010/2013 farm during work hours and off hours, while co-ordinating with I.S. Service Desk and Change Management.
- Resolved issues with SharePoint 2010/2013 farm administration (e.g. user profile, search service, and server crashes), I.S. Service Desk and Computer Operations when needed.
- Debugged tricky SharePoint issues by tracing log files and doing online research.

- Resolved a situation of a windows system files corruption of a server, used for critical firm applications, by researching similar experiences online, developing and applying the best course of action.
- Built and configured SharePoint farm for development environments.
- Worked on the SharePoint 2013 homepage redesign and re-branding project implementing best practices for web development on the client side. Used HTML5, JavaScript, CSS3, SASS, SharePoint JSOM/REST API, managed metadata service and AMD standards for performance, scalability and maintainability.
- Worked on SharePoint 2010 to 2013 migration project. Created a client sided framework for managing custom apps, specializing in JavaScript/jQuery, CSS3, HTML5, SASS, JSOM/REST API, caching techniques for performance and automated code compiling using node.js. Used SharePoint search service, user profile service, PowerShell SharePoint scripting, and SharePoint WSP packaging.
- Comprehensive knowledge and contributions to firm's SharePoint infrastructure including web parts, content types, libraries, templates, workflows, page layouts, master pages, best bets, permissions, farm administration (search/user profile), AD, debugging of logs.
- Actively researching in SharePoint and having keen interest in Office 365 PowerApps to apply specialized knowledge of apps and client side programming to formal cloud based apps to support firm's long-term goals.
- Architected lots of specialized firm solutions and tools on the intranet to support business development including a SharePoint slideshow viewer, issue tracking lists with unique requirements, automated news fetching, and more.
- Developed a SharePoint 2010 web part that reads PDF documents from a document library and displays them embedded in a web browser with a table of contents. Web part makes query searches asynchronously from client side. Used C#, SharePoint API, JSOM.
- Maintained and enhanced legacy solutions built on HTML, VBSCRIPT, ASP Classic and ASP.NET.
- Worked on the Inmagic CMS migration project migrating and testing an installation from windows server 2008 to windows server 2012, including configuration of IIS and SQL Server.
- Used Inmagic CMS web API to rebuild the library department's check-in/check-out page as a client sided web solution. Required lots of business analysis and consulting with the department to understand and implement new requirements. The result fixed a lot of outstanding issues and future proofed the solution.

- Worked on migrations and upgrade of WordPress installations onto newer Windows Servers, including restoring SQL backups.
- Helped train legal professionals with the use of SharePoint 2010 website developing functionality. As well as students with comprehensive SharePoint knowledge (administrative/developing).
- Managed the firm's intranet help inbox. Worked closely with I.S. Service Desk and other SharePoint administrators to solve issues from members around the firm.

Assistant

Scotia Bank

June 2010

- Developed excellent teamwork skills by collaborating with co-workers and clients to start and complete promotional events on time.
- Commended for possessing great interpersonal skills demonstrated by frequent interfacing with prospective clients.
- Heightened organization skills resulting from effectively managing the program event on several occasions.

EDUCATION

Toronto, ON

University of Toronto Scarborough

2009 – 2015

- B.Sc. in Computer Science Specialist Co-op Program, Comprehensive Stream, May 2015.
- Undergraduate Coursework: Computational Theory; Data Structures; Operating Systems; Databases; Algorithms; Programming Languages; Computer Architecture; Artificial Intelligence; Software Engineering; Numerical Algorithms; Web Design
- Extracurricular Clubs: The Hub, Association of Mathematical and Computer Science Students (AMACSS)

Mississauga, ON

St. Francis Xavier Secondary School

2005 – 2009

- Ontario Secondary School Diploma, June 2009.
- Graduated with Honours
- Completed over 100 hours of community service
- Competed in Interschool Computer Engineering Robotics Tournament

COURSE CERTIFICATES

Toronto, ON

The Linux Foundation Organization

Nov 2017

- Certificate of Achievement for *Blockchain for Business – An Introduction to Hyperledger Technologies*

TECHNICAL EXPERIENCE AND AWARDS

- **Global Legal Hackathon – Toronto (2018):** Created a blockchain based mobile web app to solve the problem of informed consent. The app allows the user to sign a consent while collecting biometric data which can be used to discover if this is a valid consent. Placed 3rd in the hackathon.
- **OSS (2017-2018). Lead Solutions Architect.** Designed and implemented a firm solution (*Open Source Software* license identification tool) for Osler to be used by the firm's clients for potential revenue generation or a new service offering.
 - Solution scans a user's source code repository and warns them of potential considerations related to code licensing, in the hopes of acquiring them as a client looking for legal advice for licensing reconciliation.
 - This is a modern web application built using SASS and HTML5 API's. Utilizes multi-core parallel processing architecture using web workers.
 - Utilized web development, software engineering, business analysis, technical project management (while working with different teams) and quality assurance skills.
 - This was demonstrated by gathering requirements and scope from clients, translating them to business logic, designing a technical architecture for the scope and target audience, implementing the solution (while keeping track of tasks, issues and scope in daily team scrums using agile methodology) and building a testing framework for quality assurance.
 - This resulted in a high performance, scalable and maintainable solution based on modern development standards.
- **AIC (2017): Lead Solutions Architect.** Participated in Osler's "Associate Innovation Challenge" (AIC) to create an innovative solution for lawyers.
 - Solution analyzes contracts from the Kira AI platform, and summarizes results making it very easy for lawyers to look through. Reduces 20 hours of work into 2.
 - This is a modern web application built using Web Components, ES6 JavaScript, and node.js.

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 - This was demonstrated by gathering requirements and scope from clients, translating them to business logic, designing a technical architecture for the scope and target audience, implementing the solution (while keeping track of tasks, issues and scope in team scrums using agile methodology).
 - The project placed 2nd place out of 14 teams and received high amounts of interest to implement from chiefs, managers, partners and associates.
- **Legal Hackathon** (2017): Participated in a legal hackathon to create an innovative solution using technical contracts in big data to provide insights. Provided a feature where the user could email a server with an attachment of a contract, and the server would automatically annotate it with insights and email back it. This is a web application built on web technologies including Gmail API, Microsoft Word API, and node.js.
 - **SmartCan** (2017). Participated in a UFT hackathon to create an IoT smart trash can built to help you waste less money and food while helping to enforce recycling practices. Won 1st place out of roughly 80 teams.
 - **ShopPal** (2016). Implemented a mobile web app prototype (for an entrepreneur business course) for a shopping and grocery management solution with social media integration. Used HTML5, JavaScript/jQuery, CSS3.
 - **Debt-Less** (2016). Implemented a mobile web app for managing debt by creating simple tasks that are easy to manage, using the user payment history. This was for a ScotiaBank hackathon.
 - **WatchMy.tech** (2016). Participated in a UFT hackathon to create a mobile web app to stream your laptop webcam live feed to your phone. This allows you to keep watch while you are away, to protect your technology.
 - **Aria** (2015). Participated in YHack hackathon. My team created an artificial intelligence virtual assistant to book flight packages in an intuitive way using machine learning. We used the JetBlue dataset, node.js, socket.io, synonyms API, and web technologies.
 - **Emma** (2015). Participated in hackathon by Genesys. Utilized their interactive voice response (IVR) tool to create a real-time virtual appointment booking assistant. Placed in top 5 out of 20 teams. Utilized Google calendar API, Node.js, Socket.io, HTML, JS, CSS, IVR Designer tool by Genesys.
 - **CrossLabel** (2015). Pitched product and business plan for a start-up company, to a panel of judges, like Dragon's Den. CrossLabel bridges the gap between retailers and consumers in the worldwide e-commerce online shopping business. Won 1st place in UTSC Entrepreneur Expo contest.

- **ARIN (Aquatic Recognition Index Network)** (2014). Worked with biology department to create android application for fish enthusiasts. A.R.I.N. helps to identify species of fish, through crowd-sourcing, image recognition, thread management. Won 2nd place in the UTSC AppStar contest.
- **O.S.S. Matplotlib** (2014). Contributed to open source software Matplotlib (2D/3D mathematical graphics library) in senior Software Engineering course at UTSC using Agile Methodologies. Implemented a 3D quiver plot feature from GitHub wish list. Feature request was accepted into master branch and changelog.
- **TA AID** (2013). Android application completed in Software Engineering course at UTSC using Agile Methodologies. Acts as an organizational management tool for Teaching Assistants. Won 1st place in course contest as determined by panel of professors.
- **IDS Connect** (2013). Worked with IDS department to create android application for international co-op students. Acts as a knowledge management and communications tool designed to enrich co-op experiences. Won 1st place in the UTSC AppStar contest.