

# Noah Y. Tong

Technical Consultant @ Fujitsu Canada, Software Design & Development, CSM, SaaS, IoT  
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## Summary

Certified ScrumMaster® (CSM), Oracle Certified Associate (OCA), IoT Enthusiast, MBA Participant. Passionate, responsible and committed software veteran with a strong educational background in Computer Science and extensive hands-on experience in software development & operations. Productive in both team-based and self-managed projects. A lead developer with proven expertise in Microsoft Technology Stack, Three-Tiered Architecture, Relational Database (Oracle), Application Life Cycle Management and SaaS (Software as a Service). Proficient in the Smart Sensor, Oil & Gas, Billing, and Data Analytics software solutions, primarily interested in IoT, SaaS, and Cloud.

### Highlights:

- # Strong Object Oriented concepts for software design and implementation
- # Over 6 years of professional software development experience with Microsoft Technologies and Amazon AWS
- # Additional years of development experience in open source (LAMP), web application, and mobile application across multiple commercial and non-profit projects in various industries
- # Proficient in SaaS application and services
- # Design and development experience with MVC 6 and .NET Core
- # Sophisticated Oracle PL/SQL Developer; Hands-on development practices with Microsoft SQL Server; Experienced in MySQL
- # Knowledge and programming experience with Kdb+ Column-based Relational Time-series Database
- # Source Revision Control & Continuous Integration with SubVersion, TFS, and .NET Unit Test Framework
- # Streamlined software continuous delivery through DevOps practices
- # Certified Scrum Master with experience in facilitating Daily Scrum and Sprint Retrospective
- # Built Back-end Services in SOA utilizing RDS, MSMQ, Windows Services and Distributed Computing, in support of IoT Time-series Data, and Data Warehouse
- # DevOps; Agile Development Methodology; TDD Methodology; Mobile First Methodology

### AWS Cloud:

EC2, RDS, S3, Route 53, WorkMail

### Programming:

C#, VB, C, Oracle PL/SQL, MS T-SQL, Java, HTML 5, Javascript, JQuery, CSS

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## Experience

### **Technical Consultant at Fujitsu Canada**

February 2017 - Present

Petrinex is a joint strategic organization supporting Canada's upstream, midstream and downstream petroleum industry.

- # Primarily focused on the systemic and architectural area, ensuring all underlying functional components combine to deliver the desired services and business results.

- # Involved in the development to fulfill the required software capacity of expanding the service coverage, while meeting the security compliance standards.

- # Participated in the day-to-day on-site operations and system maintenance, on-call duties for Production incidents.

- # Streamlining software continuous delivery through DevOps practices

- # Assisting the application architect concerning implementing the functional requirements, preparing supporting documentation and solution design.

- # Bringing innovation and upgrading the existing legacy components/modules; overcoming the system constraints; strengthening the system front-end and back-end security and providing quality SaaS services.

### **Founder/Consultant at The Tong Group**

August 2017 - Present

We've got the special power in Software Design and Development, IT Consulting, Saas, Web Hosting.

### **Full Stack Software Developer at Utilismart Corporation**

August 2015 - February 2017 (1 year 7 months)

- # Lead Software Developer in a Customer-Oriented Service & Sales division, helped Customers on board to the company's software products line. Led the solution discussion and implementation within in-house DEV team. Communicated with the third party consulting group for the supports of high-level database & software architecture design.

- # Experienced in SDLC, Code Revision Management, and CI. In charge of source code revision control (Team Foundation Server & SubVersion) and production deployments (Windows IIS, Windows Services, Tomcat, Microsoft Window Server 2008, 2012, 2016).

- # Primarily involved in developing the ASP.NET based Smart Metering Technology platform in a SaaS (Software as a Service) model that collects time series data on a daily basis, performs data normalization and business/data analytics on the fly.

- # Solid experience with SOA and WCF. Implemented MultiSpeak web services (SOAP Service, XML based) and interfaces that facilitate the data exchange and interoperability among applications for utility customers.

- # Knowledge and programming experience with Kdb+ Column-based Relational Time-series Database.

- # Experienced Oracle PL/SQL developer with a proven understanding in high-level database model/design, performance, tuning & development.

# Developed scalable High-Speed Data Loading, Processing and Analytics backend engines in a Message-driven SOA pattern in support of the company's the Meter Data Management System (MDMS) and Utility Data Warehouse (UDW). A solution utilized Windows Services, Distributed Computing, Message Queuing Technology and Oracle Database and eventually increased the capacity of the company's Smart Metering platform.

Key Words:

Team Foundation Server, Unit Testing, Internet of Things, SOA, ESB, WCF, SaaS, Multi-tenancy Solutions, Oracle PL/SQL, Oracle Database Architecture, Data Warehouse, ETL, Source Revision Control, Agile Software Development, Deployments

### **Software Developer at Essex Energy**

May 2013 - August 2015 (2 years 4 months)

# Software Developer in a Development & Technical Support division, contributed to the success of several software products.

# Developed Web-based Applications on the MS ASP.NET platform utilizing Telerik Silverlight tool kits and Bing Map APIs. Committed to the UI design and the implementation of the core application functionalities such as 1) Bing map integration, 2) Real-time remote control and monitoring of sensors, 3) On-demand data analytics, and 4) Billing services.

# Worked on the development of Web Services on both MS ASP.NET platform and Java EE platform. Experienced in the Software Life Cycle by involving in all project phases - analysis, design, programming, testing, debugging and deployment.

Tech Skill Used:

Object Oriented Programming, Oracle PL/SQL, Telerik Development Tools (Silverlight), Windows IIS, TomCat, Web Service, ASP.NET, JAVA EE

### **Web Developer at ECLife E-Commerce**

September 2012 - April 2013 (8 months)

# Casual Web Developer position at ECLife E-Commerce Software Development Team for commercial websites development. Mainly focused on CMS (Drupal, PHPWind, etc.) in LAMP (Linux, Apache, MySQL, PHP) environment.

# Contributed to the success of EcLife (<http://eclife.ca>) – a Multicultural Online Community platform, which serves the international students and immigrant in Nova Scotia, Canada. It provides services such as social media and social networking, and online classified advertising.

# Engaged communication with clients for the website design and functional requirements.

Tech Skill Used:

Coding / Programming (HTML, Javascript, PHP, CSS), Front-End UI Design, Titanium Development Platform (Mobile App Development), CMS (Drupal, PHPWind), MySQL

## **Web Master at Dalhousie University - FCS**

May 2012 - October 2012 (6 months)

- # Volunteer position at Faculty of Computer Science, Dalhousie University.
- # Primarily involved in the development & maintenance of the website for Dalhousie Computer Science In-House Conference (DCSI).
- # Defined the CMS(Drupal)-based approach for the development of the DCSI websites in the following years (2012 - \*)

Tech Skill Used:

Coding / Programming (HTML, Javascript, PHP, CSS), Front-End UI Design, CMS (Drupal, PHPWind), MySQL

## **Web Developer at ECLife E-Commerce**

September 2011 - January 2012 (5 months)

- # Casual Web Developer position at ECLife E-Commerce Software Development Team for commercial websites development.

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## **Education**

### **Haskayne School of Business**

Master of Business Administration (M.B.A.), Entrepreneurship and Innovation, 2017 - 2019

### **Dalhousie University**

Bachelor of Science (BSc), Computer Science, 2010 - 2013

### **Shenzhen University**

Bachelor of Engineering (B.E.), Computer Software Engineering, 2007 - 2009

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