

# Skiing Wong

## Senior Software Engineer (Java)

Toronto, ON | +1 (437) 324-5830 | [skiingw@gmail.com](mailto:skiingw@gmail.com) | <https://www.linkedin.com/in/skiing-sy-wong/>



Master's degree in Cybersecurity, [University of Liverpool](#), May 2023 - Present

B.A. in Computing, [The Hong Kong Polytechnic University](#), 2014 - 2018

*Highly experienced and motivated Senior Software Engineer with 10 years experience of software development and enhancement and system support and maintenance on enterprise-grade applications. Proficient in J2EE, Spring Framework, REST API, Microservices, Oracle RDBMS, AWS and familiar with enterprise methodologies like Agile and Waterfall. Adept at working independently, mentoring and supporting colleagues, ensuring compliance with security and change management directives, and identifying continuous improvement opportunities. Passionate about creating innovative solutions that improve user experience and drive business growth.*

- Software development and enhancement (10 yrs)
- JAVA(8 yrs);Spring(8 yrs);REST API(5 yrs);Oracle RDBMS(9 yrs);Microservices(2yrs);AWS(2 yrs);SOA(5yrs)



## WORK EXPERIENCE

### System Analyst, IBM

Aug 2021 - Jun 2023

- Provided comprehensive system support for an on-premises environment, including promptly responding to service requests, handling incidents, and addressing security vulnerabilities in an ongoing airport rostering system.
- Collaborated with product vendors, upper management, airport IT Team, and airport BU to drive strategic initiatives and implement new processes in a cloud environment based on the existing ongoing system.
- Conducted proof-of-concept (PoC), system analysis, documentation, implementation, and testing for a Cloud Migration project, utilizing Agile and Scrum methodologies.
- Diagnosed, troubleshooted, and resolved application, server, database, network, and security issues during the cloud migration implementation.

⇒ Successfully reduced DB hosting costs for around 50% by replacing the on-premises supercluster with AWS.

⇒ Improved user experience, particularly during monthly peak loads, resulting in enhanced system performance and responsiveness.

⇒ Streamlined system support procedures, leading to increased efficiency and optimized utilization of human resources.

### Analyst Programmer, Commerce And Economic Development Bureau

Nov 2019 - May 2021

- Developed and enhanced applications for the customs import and export system, utilizing ReactJS for the front-end, Java Spring Boot with RESTful API and Microservices for the backend, MySQL for the database, and Github for version control.
- Implemented code fixes and enhancements to improve the functionality and user experience of the application.
- Conducted regression and system-level testing to ensure software quality and identify any issues before release.
- Updated project documentation to reflect project deviations and capture changes effectively.

⇒ Successfully simplified, improved accuracy, and accelerated the import and export application and approval handling procedures.

⇒ Significantly increased the adoption of the electronic service among business users by making it more user-friendly and accessible.

### Analyst Programmer, Hospital Authority

Jul 2019 - Sep 2019

- Played a key role in the design and development of a new clinical management system, drawing upon knowledge from the existing clinical management system in the Department of Health.
- Led the direction of UI design and front-end code standards, providing guidance and coaching to vendors for delivering the required front-end web pages using ReactJS and Material-UI. Additionally, conducted thorough code reviews to ensure quality and adherence to standards.
- Collaborated with the Infrastructure team to initiate a Proof of Concept (PoC) for DevOps implementation in the new system, utilizing Spring Boot Java application, Oracle RDBMS, Kubernetes containers, and Jenkins for integration.

## Analyst Programmer, Department Of Health

Dec 2015 - Jun 2019

- Led the development of the PMSI (Pharmacy Management System Interface) between the Hospital Authority and the Department of Health, utilizing J2EE, Maven, Hibernate, Servlet, SOAP, WSDL and Java Web service. Wrote highly maintainable and robust code to ensure system stability and performance.
  - Conducted regression and system-level testing at each development stage to ensure the quality and reliability of the software.
  - Provided system support, maintenance, development, enhancement, and security vulnerability remediation for the DH Clinical Information Management System, Medication Order Entry plugin from HA, and Family Clinical Service modules. Utilized a Java environment, Oracle ADF, weblogic/JBoss/Wildfly servers, and Oracle RDBMS.
- ⇒ Successfully reduced waiting time for patients to receive drugs from the pharmacy through the implementation of the PMSI system.
- ⇒ Enabled efficient investigation of drugs taken by patients and facilitated in-depth medical record analysis for doctors.
- ⇒ Improved the user experience of related clinical systems and enhanced the quality of clinical services in Hong Kong.

## Analyst Programmer, NCR (Hong Kong) Limited

Mar 2015 - Sep 2015

- Resolved bugs and issues in the Bank cheque data handling system, utilizing MSSQL, Action Script 3.0, Flex, and J2EE. Developed bug fixes to improve system functionality and stability.
- Conducted regression and system-level testing to ensure software quality and identify any issues before release.
- Collaborated with the development team to deploy the application on the GlassFish server, utilizing NetBeans with an EJB container.

## Programmer, Labour Department

Sep 2011 - Feb 2015

- Led the design and development of an internal Instant Messenger Android App, overseeing both server and client-side development using Eclipse and Android Studio. Provided guidance and leadership to the engineering team throughout the project.
  - Migrated oracle e-forms to the versitech e-form platform, enabling e-signature capabilities and streamlining document processing.
  - Supported, maintained, and enhanced the Labour Department Employment Service System, utilizing ASP.NET, VB.NET, Oracle RDBMS, JavaScript (jQuery), JSON, HTML, CSS, and Crystal Reports. Developed new modules, implemented code fixes, and ensured the smooth operation of the system.
- ⇒ Significantly reduced e-form migration costs by 90% through the use of the versitech e-form platform.
- ⇒ Improved the user experience for internal users, streamlining their workflow and enhancing the management of registered employers and employees' information. Ultimately, this led to the delivery of better employment services to the Hong Kong public.

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## SKILLS

**Cloud Computing:** Cloud Infrastructure & Migration, AWS, Azure

**System Support:** Windows Server, Linux , Vendor Management, SSL/TLS Certificate Generation & Installation, WinSCP

**Methodologies:** Agile, JIRA, Waterfall

**Database:** Oracle RDBMS, MySQL, MSSQL, MongoDB

**Application Development:** J2SE, J2EE, Spring Framework, Spring Boot, Maven, JPA, Hibernate, JDBC, JUnit, Mockito, Wiremock, ReactJS, Web Application, Android app development, ASP.NET, VB.NET, HTML, CSS, ActionScript, JavaScript, JQuery

**Version Control and Collaboration:** SVN, GitHub

**CI/CD:** Docker, Kubernetes, Jenkins, Postman and SoapUI

**Web Services and APIs:** RESTful API, SOAP, Servlet, Web service, Microservices, Web Socket, XML, JSON

**Application Servers:** Tomcat, Weblogic, JBoss, Wildfly, GlassFish

**Development Tools:** Eclipse, NetBeans, IntelliJ

**Reporting and Data Visualization:** Crystal Reports, Jasper Report

**Messaging Middleware:** IBM MQ (IBM Message Queue)