Whitney Yuen, JAVA Developer

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Toronto, ON, Canada (open to relocate) • **Available Immediately**

PROFESSIONAL SUMMARY

Results-driven JAVA Developer with **7+ years of IT hands-on experience** in working teams through SDLC from requirement gathering, development, testing and production support. Highly knowledgeable in operating systems, frontend and backend programming languages, database management and data architecture. Strong understanding of the principles of Object Orientation Programming and design, specializing in **Java** and **Spring framework** to develop high-quality robust applications.

WORK EXPERIENCE

JAVA Developer   Oct 2018 - Dec 2023
Vocational Training Council

• Designed and implemented a web application for 15,000 student online applications during COVID using **Java** and **Spring MVC** with *Builder* design pattern, *i18n* supported multiple languages, *regex pattern* for form validation and *stream* for filtering.
• Improved academic qualifications screening performance by **JAVA** *multi-threading* and **SQL** tuning.
• Developed and optimized systems for Student Admission, Trade Test Registry and Hall Application, performed security scanning by **Fortify** regularly, upgraded external libraries with critical vulnerabilities and maintained best coding practices, ensuring compliance with ISO27001.
• Integrated security solutions (**Queue-IT**) into web applications for enhanced protection.
• Implemented a new payment method of Fast Payment System (FPS) to Admission Systems, Trade Test Registry System and Hall Application System for over 80% usage, generated FPS QR code on different payment advices with **Jasper Report**, called payment service provider by **Rest APIs** and handled missing transaction on reconcile file.
• Enhanced UI/UX through responsive web design improvements for desktop, tablet and mobile versions with **CSS** *flexbox* and **Javascript** *onresize*.
• Developed a **PowerBI** dashboard for student admission statistics from **Oracle** database.
• Transitioned a team of 10 from Waterfall to Agile development methodology successfully, designed workflows at **JIRA** platform, resulting increasing project delivery efficiency by 30%.

Solution Developer   Jul 2016 - Oct 2018
Lenovo PCCW Solutions

• Revamped and conducted user acceptance test for the external website HKCSL online shop .
• Developed web platforms for True Name registration for China Mobile and enterprise web applications for an order purchase system for HKCSL/1O1O serving 1,000,000 customers using **Java** and **Spring MVC** with *Builder* design pattern, supported multiple languages by *i18n*.
• Created a Customer Relationship Management platform using **Angular** and **Typescript** as frontend, **Node.js** and **Express.js** as backend, **MongoDB** served for user authentication.

SKILLS & COMPETENCIES

• **Backend Programming Languages:** JAVA (such as class, interface, extends, implement, Collections, Array, Hashmap, List, Lambda, Stream), JAVA J2EE, Hibernate (migration from 3.5 to 5), Rest API, xml
• **Frontend Programming Languages:** Javascript (ES6, const, let), jQuery, CSS, Bootstrap, jsp (such as spring:message, form:errors, c:if, fn:trim, fmt:formatNumber), HTML5, Ajax, JSON, React
• **Frameworks:** Spring MVC (such as @SessionAttributes, @RequestMapping, @ModelAttribute, @Valid), Spring Security (LDAP Authentication), Spring Boot (such as @RestController, @GetMapping, @PathVariable, @RequestParam), Angular 5
• **Databases:** Oracle (such as Trigger, Procedure, View), MySQL (such as LIKE, JOIN, GROUP BY), PL/SQL (such as FOR LOOP), MongoDB
• **Tools & Platforms:** Git (fetch, pull, push, merge, rebase), Tomcat (migration from 6 to 10 and Tomcat Vault encryption), Atlassian JIRA (configure workflows, manage user permission, create epics, stories and tasks), Jenkins (build and deployment), AWS, DevOps, CI/CD, Docker, Linux Operating Systems, Red Hat, Maven, Fortify, Junit (@Test), MS Office

HACKATHON EXPERIENCE

Participant   Jul 2024 - Aug 2024
Hong Kong Canadian Business Technology Hackathon

• Designed and developed a web application to streamline course setup and PayPal payment processing using **Node.JS** and **PostgreSQL**.
• Worked with developers and business analysts to create a functional prototype.

VOLUNTEER EXPERIENCE

Mobile Information Ambassador   Sep 2024 - Oct 2024
City of Toronto

• Provided accurate information to the public about Nuit Blanche.

EDUCATION

Master of Science in Data Science and Business Statistics   Sep 2019 - Nov 2021
The Chinese University of Hong Kong

Bachelor of Computer Engineering   Sep 2013 - Nov 2016
The Hong Kong University of Science and Technology

COURSES / CERIFICATIONS

• **HackerRank** - SQL (Advanced) Certificate, CSS (Basic) Certificate, Java (Basic) Certificate, Problem Solving (Intermediate) Certificate, Python (Basic) Certificate, JavaScript (Basic) Certificate, React (Basic) Certificate, Software Engineer Certificate
• **IBM** - Web Development Fundamentals, Project Management Fundamentals, Cybersecurity Fundamentals
• **Project Management Institute** - Project Management Professional (PMP) ®
• **Udemy** - Scrum Master Certification 2022 + Agile Scrum Certification