

# Wendy Liu

Software engineer with experience building enterprise microservices and Android bill payment applications.

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## SKILLS

Languages	IDE	Frameworks	Databases	Systems	Tools & Methods
Java, C#, HTML, CSS, SQL, JSON, XML, Bash	IntelliJ Android Studio Eclipse Visual Studio	Spring Boot, Spring JDBC, Spring Batch, Wiremock, JUnit, Mockito, RabbitMQ, Android SDK, Swagger	MySQL Microsoft SQL Server Hibernate	MacOS X Linux Windows 10 Android	Git, Maven, Docker, Agile, TDD, GoF Patterns, UML

## EXPERIENCE

### PayPal Canada, Vancouver — Software Engineer

JUNE 2017 - APRIL 2018

#### Microservices Development - Bill Payment

- Used Spring Boot to develop microservices that communicated with external web services via SOAP.
- Implemented file-processing jobs within the microservices using Spring Batch.
- Enabled microservices to consume messages asynchronously from and publish events to RabbitMQ.
- Documented microservice API using Swagger.
- Applied TDD and maintained code quality using JUnit and Mockito, and created mock servers using WireMock.

**Environment:** Java, Spring Boot, Spring Batch, Spring JDBC, MySQL, JSON, XML, Maven, RabbitMQ, Docker, Swagger, Git, JUnit, Mockito, Wiremock, REST, JIRA, Agile, TDD

#### Android Development - Bill Payment

- Maintained, built and released new features for several native bill-payment Android apps.
- Implemented calls to SOAP web services and response handling.
- Implemented client-side security features to enhance safety and integrity of data, including SafetyNet.
- Created robust, backward-compatible user interfaces to client satisfaction.

**Environment:** Java, Android SDK, Gradle, Android Studio, HockeyApp, Zeplin, Git, JIRA, Agile

### Centre for Digital Media, Vancouver — Android Developer

JANUARY 2017 - APRIL 2017

- Built a location-based native Android application using C# and Xamarin in an Agile interdisciplinary team to client satisfaction.
- Implemented new features using MVC design pattern while ensuring backward-compatibility.
- Used SQLite to access, store and persist data.
- Adopted design across the application and implemented intuitive user interfaces to client and beta tester praise.

**Environment:** C#, Xamarin, Android SDK, Git, Trello, Zeplin, Agile

## EDUCATION

### University of British Columbia, Vancouver, BC — B. Sc. in Computer Science and Biology

September 2011 - May 2017, including a seven-month exchange in Germany