

Andrew Yu

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SUMMARY

- Experience in Java/JEE development, design and Web Services to implement multi-tier applications using Java / J2EE and enterprise Integration development.
- Proficient Java coding skills including Collections, Multithreading, Lambda, Stream API, Exception Handling and object-oriented design.
- Experience in using Spring Framework (Spring Core, Spring MVC, Spring ORM, Spring Web flow, Spring DAO, Spring AOP).
- Experience in developing RESTful Web services and consuming RESTful API using Postman and Spring Rest Template.
- Used Maven for build, deployment and integrated with Jenkins CI server for build automation.
- Experience in developing n-tier architecture systems with application system development using Core Java, JDBC, HTML, CSS, JavaScript, JPA, Servlets, JSP, Restful web services.
- Experience in executing test cases using testing tools such as JUnit and JMeter

TECHNICAL SKILLS

Programming Languages: Java 1.8+, HTML, JavaScript, CSS, SQL, C#, TypeScript, Python

Database Servers: MySQL Server, OracleDB Server

Framework/API: Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Boot, Spring Security, JavaFX, Processing, Angular 8, Node.js

Other Tools: Maven, GIT, Jenkins, JMeter, Postman, Circle CI, SonarQube, Docker

EXPERIENCE

BNY Mellon, Jersey City, NJ

Nov 2018 – Present

Role: Lead Software Developer

Project: Document Management (Imaging)

- Helped upgrade several multi-tier web-based services based on old version of Spring Framework and migrate all applications into new environment with newer version of Spring.
- Write testcases using Junit and Mockito framework to perform unit testing and perform performance load testing using tools like JMeter.
- Build and deploy applications and ensure that applications are working properly after all version upgrades and reimplemented functionalities.
- Developed new dynamic Angular Components to replace legacy JSP front end applications

Environment: Java 8, Spring Boot, Spring Security, Junit, RESTful Web Services, Hibernate, Tomcat, JavaScript, Angular, XML, JSP, Maven, Jenkins, OracleDB

PERSONAL PROJECT

Online Stream Grabber

By calling online available API called streamlink, this Spring Boot RESTful application is created to record and store online streams from websites such as YouTube, Twitch, and showroom-live.com. Videos recorded are stored into personal home server then transfer to personal plex-server through 10 Gigabit networking to allow multiple users and accessibility for devices on different kinds of operating system anywhere and anytime.

- Used Spring Boot as main framework for RESTful API design and consume an online available API called streamlink.

- Used Hibernate/JPA framework to connect to Oracle Database to store information of each recorded videos
- Used Maven and Jenkins to deploy this application to personal home server
- Used HTML, JavaScript, CSS and JSP to create front-end user interface to control application.
- Used multithreading to allow application to handle requests and record multiple videos simultaneously.

EDUCATION

Rutgers University – New Brunswick, Bachelor of Science in Computer Science