ALVIN YAO

JAVA DEVELOPER

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SUMMARY

- 6+ years of Back-end developer experience using **JAVA/J2EE** platform and **Object-Oriented Programming** skill.

- Extensive experience in **Core JAVA**, including **Collection**, **Multi-Threading**, **Exception Handling**, **Lambda Expression** and **Stream** etc.

- Familiar with multiple JAVA **Design Patterns** such as **Singleton**, **Factory** etc.

- Professional development experience of using **Spring framework** (**Spring Boot**, **Spring MVC**, **Spring IoC**, **Spring AOP**, **Spring JDBC**) and Hibernate to implement **RESTful** web services.

- Worked proficiently with various IDEs including **Eclipse** and **IntelliJ** etc.

- Expert in **MySQL**, **SQL** and **Microsoft SQL Server** and experience in No-SQL like **Cassandra** and **MangoDB**.

- Experience of **test tools** like **JUnit, Mockito, Selenium.**

- A solid understanding of source control (**Git**), pull request, and code review processes.

- Experience of **HTML5** and **CSS3**.

- Proficiency in **Machine Learning** including **Linear Regression**, **KNN**, **SVM**, **Logistic Regression**, **Naïve Bayes**, **K-Means**, **Decision Tree** and **Random Forest**.

- Acting as a Team player with a very positive attitude and strong ability to learn new technologies in a fast pace environment.

TECHNICAL SKILLS

Programming Languages:	Java, Python, C#
Operating Systems :	Microsoft Windows, Mac OS
Frameworks:	Spring Boot, Spring MVC, Django, Hibernate
Data Base:	MySQL, Cassandra
Tools:	IntelliJ, PyCharm, Visual Studio
Libraries:	Pandas, Numpy, MatPlotlib, Sklearn, Seaborn

PROFESSIONAL EXPERIENCE

SAINT LOUIS BANK, ST. LOUIS, MO, AUGUST 2021 – PRESENT

Participated in the development of a customer information management system based on Spring Boot. Mainly in database creation and maintenance, controller layer implementation. The technologies been used including Spring IoC, Spring MVC, NamedParamterJdbcTemplate, JUnits.

- Stored and collected data by using **MySql database**.

- Familiarized with develop patterns like **Inversion of Control** along with **Dependency Injection**.

- Adopted design patterns like **Singleton**, **Factory**.

- Employed **Spring Boot** to develop the **RESTful Controller** and **Service layer** to handle front-end requests.

- Participated in designed and implemented **Data Access Object**(**DAO) layer** which used **Named Parameter Jdbc Template** to create, delete, read and update the data.

- Core Java technologies be adopted in development process like **Exception Handling**, **IO**.

- Used some new features of java8 such as **Stream**, **Lambda**.

- Used **GitHub** to do **version control** and team work including pull, commit, push, etc.

- Tested code performance by **JUnits**.

THE WILDFLOWER GROUP, HOBOKEN, NJ, JUNE 2020 – JULY 2021

The Wildflower Group is a fast-growing eCommerce and digital marketing agency company. This project is mainly about develop a file management system to help employee store and update their files. Technologies been used in this project are: Spring Boot, Hibernate, Mockito and etc.

- Designed and Implemented **Data Access Object**(**DAO**) **layer**.
- Used **Hibernate** framework for **data persistence** and **entities connection**.
- Employed **Hibernate Template** to perform **CURD** operations in MySql database.
- Developed **Service layer**, used multiple **Annotation**s.
- Developed code test by using **Mockito**.
- Participated in the team cooperation with **Agile** developing cycle.

NEXT LEVEL 30, HOBOKEN, NJ, JANUARY 2018 – MAY 2020

NL30 is on a mission to help people surpass their own expectations and reach the next level of success in record time. This project is about implementing a website for potential customers to explore many different realities, lifestyles, mentalities and industries.

- Worked on MVC architectural pattern using **Spring** framework.
- **RESTful** architecture was employed with HTTP methods to receive or redirect the incoming request and send response in **JSON** format.
- Developed and maintained data layer using the **ORM framework Hibernate**.
- Involve in all phases of the development life cycle using **Agile** Methodology.

CHANGE HEALTHCARE, JERSEY CITY, NJ, FEBRUARY 2016 – JANUARY 2018

Change Healthcare is a leading healthcare technology company, focused on insights, innovation and accelerating the transformation of the U.S. healthcare system through the power of the Change Healthcare Platform. Participated in building a AI-assisted diagnosis system, mainly in data process in back-end, machine-learning models parameter tuning and some Front-end HTML and CSS code.

- Utilized Continuous Integration, Build, and Delivery with **Spring**, **Spring Boot**.
- Familiarity with multiple interface patterns including **RESTful APIs** and event-based messaging.
- Experience in writing basic **SQL queries**.
- Performed code change management by creating branches, merging and software releases using **Git** Version Control system.

EDUCATION AND CREDENTIALS

MASTER OF ENGINEERING IN ENVIRONMENTAL ENGINEERING, MAY 2021
- Stevens Institute of Technology, Hoboken, New Jersey; GPA: 3.5/4.0
- Relevant Coursework Includes: Special Topics in SSW: Python, Web Mining, Applied Machine Learning, Intro Probability Theory, Numerical Methods for Civil/Environmental Engineering