Zhi Cheng

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I'm an enthusiastic software consultant with engineering and data experience, capable of individual development and working within a team to help deliver business value. As an experienced agile practitioner and having worked with start-ups project and large corporations, I possess extensive experience in software development.

***SUMMARY OF QUALIFICATIONS***

* Project experience in agile software development using Scrum / Kanban methodology, involving Pair Programming, TDD, Continuous Integration and Automated Testing practices.
* Project experience in Big Data technologies, involving Apache Spark, Apache Kafka, Apache Hadoop, Apache Hive, Apache Airflow.
* Experience in various phases of software project life cycle and end-to-end execution of business critical projects of Banking ETL.
* Extensive experience in application development, API development and Big Data technologies.
* An excellent team player with good inter-personal and communication skills & ability to work independently.

***TECHNICAL SKILL SET SUMMARY***

LANGUAGES : Java (11, 8, 7, 6)/J2EE, JavaScript, PL/SQL, XML, HTML, CSS, Shell Script, Scala, Python, C#, PHP

FRAMEWORKS : Spring (Boot, IOC, MVC, Integration), Mockito, Play, Robot

APIs : Servlets, JAXP, JAX-RS, JAX-WS, JMS

BIG DATA : Hadoop, HDFS, Spark, MapReduce, Hive, YARN, Parquet, Avro, Kafka, Apache Airflow

DEV-OPS : Ansible, Molecule, Jenkins, Shell Scripting

CLOUD : AWS, S3, GCP, Dataproc

MONITORING : Grafana, Telegraf, InfluxDB

DATABASES : Postgres, MySQL

MOM/ ESB : Apache ActiveMQ

NOSQL : MongoDB

APP SERVERS : Tomcat

IDE / EDITORS : IntelliJ, Vim, SublimeText, VScode.

VERSION CNTRL : Git, Gitlab, Bitbucket

TESTING TOOLS : JUnit, Mockito, Cucumber (BDD), Pytest

OS : Mac OS, Linux, Windows

*PROFESSIONAL EXPERIENCE*

TEK System, Guangzhou March 2021 -Now

Software Engineering

Project: JEDI – PlatformTeam – Evolution, Traded Risk Aug 2024 – Now

This is a migration project, re-implementation with newer technologies, to overcome the short comings of the existing ETL jobs. Key technologies include Java 8, Spring Boot, Python, Airflow, Docker, IKP, Scala. AWS S3, Apache Airflow, Apache Spark, Apache Hadoop, Progress DB.

*Accomplishments include:*

* Analysis and migrate the Legacy platform feature to new one.
* Through test coverage via, Unit test, Integration test.
* Base on schedule system<airflow> to achieve real time streaming feature.

Project: JEDI – Platform Team – FDA Platform, Traded Risk Jan 2023 – Now

Involved design, poc and implementation to address business requirement from Data tam. Key technologies include Java 8, Scala, AWS S3, Apache Airflow, Apache Spark, Apache Hadoop, Spark Sql, Jenkins, Grafana, Ansible. Development iterations, using Kanban methodology.

*Accomplishments include:*

* API integration with upstream.
* Analysis requirement to provide a solution to achieve it base on current framework.
* Through test coverage via, Unit test, Integration test
* Jenkins CI and CD set up.
* Support Data team to driver business value.

Project: JEDI – Data Team, Traded Risk March 2021 – Jan 2023

Involved in ETL and exploitation of front office trade and risk data, using big data technologies by Spark sql to diver business logic. Key technologies include Spark Sql, AWS S3, Apache Airflow, Apache Spark, Apache Hadoop, Jenkins.

*Accomplishments include:*

* Involved in initial requirement gathering and defining JSON schema contracts between systems.
* Connecting with BA to analysis and achieve the business logic by sql syntax.
* Provided Spark performance tuning expertise, to improve the performance of Spark ETL jobs.
* Implemented performance optimised Spark SQL
* Provided tool to help team to improve efficiency
* Trained the team for new joiner.
* Helping team to address block in their development process.

ZTE Software development, Nanchang Oct 2020 – Feb 2021

Java Developer

Project: Management System

As an Intern Java Development to help develop the management system. Key technologies include Java 8, Spring Boot, Mysql, Tomat. Servlets.

*Accomplishments include:*

* CRUD
* API Development

*ACADEMICS / TRAINING*

Algonquin College – Ottawa