Ali Majeed
Senior Software Engineer | Backend

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I am a software engineer with a versatile experience in software development. I am particularly well versed in applications that require real emphasis on performance and scalability. I am skillful in choosing the best tool for the job and ensuring best practices in using that tool. I can deliver projects in microservices architecture with appropriate solution for each problem. I am a motivated individual with a lot to offer and who is keen to improve his repertoire.

☰ COMPETENCES

Programming	Java (**JEE**, **JSE**), Scala (**C#**), **Python**, Javascript, CSS, HTML
Frameworks	Spring, Spring Boot, **Kafka**, React JS, **Django**, Spark, PySpark, Pandas
Databases	Informix, Redis, MySQL, PostgreSQL
Development Tools	**IntelliJ Idea**, **Eclipse**, Visual Studio Code, PyCharm, Maven, Ant, git, SVN
CI/CD	Jenkins, Dockers, Kubernetes
Operating Systems	Mac OS X, Windows, Linux

💼 PROFESSIONAL EXPERIENCE

Current
July 2020

Senior Software Engineer | AI , TEAM LEAD, I2CINC, Lahore, Pakistan
> Designed the architecture and lead the development to build model training application, while breaking the performance bottleneck of training and testing a model pipeline
> Cut the time of training/testing of model by 10 times.
> Designed the architecture and lead the development to build a scalable, flexible and robust service to generate ever-changing features for model pipeline
> Performed code reviews and provided technical support to other team members
> Worked on a restful service for providing interface for executing the trained pipeline on a transaction.
> Developed a backend consumer to handle the online predictions in an offline mode to improve online processing time.
> Achieved the required TPS (Transactions per second) of 100 by using scaling and load balancing techniques

Apache Spark | Apache Kafka | Python | Scala | Pyspark | Pandas | Distributed Computing | Redis | IntelliJ Idea | Eclipse | PyCharm | Maven | Spring Boot | Jenkins | Dockers | MySQL | Postgres

June 2020
January 2017

Senior Software Engineer | Data Engineer, I2CINC, Lahore, Pakistan
> Worked on a multithreaded scheduler service for automating account statements generation in the desired format.
> Worked on several legacy applications to make them vertically scalable to increase performance and flexibility
> Performed root cause analysis and provided appropriate short term and long term solutions for smooth execution of production environment
> Redesigned a legacy application for generating alerts to a more robust, scalable and available service
> Worked on a service to generate summaries and statistic for different duration
> Worked on a service to update currency exchange rates when a respective file is received from the server.

IntelliJ Idea | Eclipse | Java Streams API | Lambda Expressions | Apache Tomcat | Maven | SVN | git | Velocity | Thymeleaf | iText | HTML | CSS | Apache Commons | JDBC | Log4j2 | Gauva | Big Data | Batch Processing | Informix | Postgres | MySQL | JProfiler | GCeasy | CI/CD | Jira | Kanban

December 2016
June 2015

Software Engineer | Backend, I2CINC, Lahore, Pakistan
> Worked on the backend of restful service for a mobile application.
> Developed an appointment service to book, manage and handle payments.
> Worked on a calendar sync service to sync the scheduled meetings and appointments from external calendars
> Worked on an alert service to generate notification according to scheduled appointment.

Tomcat | Spring Boot | JPA | Hibernate | MySQL | Informix | Google API | Facebook API | Spring | Eclipse | Maven

🎓 EDUCATION

2011-2015	BS (Computer Science), University of Engineering and Technology (UET), Lahore, Pakistan

🎓 MOOCs

2020	Spring Framework 5 Beginner to Guru
2018	Java Functional Programming
2018	IntelliJ IDEA Community Edition Essential Training
2016	Machine Learning
2016	R Programming
2016	The Data Scientist's Toolbox

💻 PROJETS

FRAUD ENGINE   2020 - 2021
Senior Software Engineer - Dev Lead
Fraud Engine is an application used for training, testing and prediction of model pipeline. It's standalone module takes care of the whole pipeline from loading the data to undersampling and then preprocessing to feature engineering and eventually training the model based on the engineered features. It also contains sub modules for data visualizations and evaluating performance metrics. Trained model using standalone service is used to generate probability for online transactions which is wrapped by a microservice in the legacy OLTP (online transaction processing) flow of i2c.

Pandas Spark PySpark Pandas Postgres MySql Jenkins Dockers git Spring Boot Scala Java Kafka Maven

STATS GENERATOR   2019 - 2020
Senior Software Engineer - Dev Lead
It is a flexible, configurable and robust service to generate ever-changing features for prediction model. It was designed in such a way that a new stat could be added in the prediction pipeline by only adding configurations. We only need to configure the operands, operator, time window, qualification criteria and other such configurations and the service will start generating those stats by passing the arguments to our custom stats library.

Java Kafka Maven Python Pandas MySQL Log4j2

ACCOUNT STATEMENTS SCHEDULER   2017
Senior Software Engineer
It is a standalone service for generating the account statements in the desired format. Scheduling business was handled by a legacy application. A separate library for generating account statement was developed and called by the scheduler to generate the statements for all cards of a particular instance.

Java iText Apache Commons Java Streams API Lambda Expressions SVN HTML CSS Log4j2 Velocity Informix

BB4ME   2015 - 2016
Software Engineer
BBforME is an online market platform for beauty and body professionals where consumers can find nearby professionals and book an appointment. User can sync their calendar from an external service and will get notified on the configured time via Email, Sms Or Push.

Java Spring Boot Hibernate JPA SVN Log4j2 Velocity MySQL

🌐 LANGUAGES

English	●●●●●
Urdu	●●●●○

➕ STRENGTHS

> Efficient
> Focused
> Motivated

🗨 REFERENCES

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