

MOHSIN KHURSHEED

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Enthusiast Technical Evangelist with successful accomplished span of 12+ years, with extensive work exposure in varied set of domains such as

IOT, Connected Cars, Smart Systems , eCommerce, Banking, Education, Telecom & BAAS.

ACHIEVEMENTS:

- Received **Best Team Player** in 2010 within **AT & T** for continuous & effective team spirit.
- Trainer & Public Speaker with **more 500+** Corporate Trainings & Conferences attended / delivered
- Nominated **Star Performer** in 2012 within **Symantec** for working the extra mile.
- Received **Best Team Performer** in **CMS Labs in 2014 & 2015.**
- Successfully Delivered End to End Business Solution within AT & T with less than 5 % bug report.
- Lead the Team for inception of **Machine Learning & Big Data** in **Wipro & Datamatics**
- Written complex algorithms for data transformation & real time/ predictive analytics over Python / Scala & Java using various **ML algos** such as K-Means/ KNN / SVM

EXPERIENCE:

Datamatics Digital

Technical Architect

Apr'19 –

Responsibilities

- Provide consultation to various enterprise solutions.
- Devise possible technical assessment towards latest technologies, to give the most viable solution / implementation.
- Initiate initial ramp up & team setup.
- Provide Engineering Solutions & SOW.
- Build Scalable & Reliable Systems across the multiple domains.
- Mentor & guide teams

Technologies used :

1. Programming languages : Java / Python / Embedded C / Swift / JS
2. Frameworks : Spring / PyTorch / Tensor flow / Scikit / Spark / React
3. Database : MySQL / MongoDB / Elastic Stack
4. Machine Learning : KNN / Kaa Framework / Random Forest / K Means / PCA
5. Message Systems : Kafka / Kafka Streams / Flume

ALM Technologies

Founder

July'17 – Apr'19

Responsibilities

- Provide consultation to various enterprise solutions.
- Devise possible technical assessment towards latest technologies, to give the most viable solution / implementation.
- Initiate initial ramp up & team setup.
- Provide Engineering Solutions & SOW.
- Build Scalable & Reliable Systems across the multiple domains.
- Mentor & guide teams

Projects:

1.Smart Edu: An online study & classroom system to cater students across Netherlands, the application devises the best reading material for the students & based on the level of interests & understanding drives to challenge them further with smart algorithms using Artificial Intelligence & Machine Learning, with few of the deep learning techniques written with Tensor-flow

Responsibilities: Design the initial architecture for the system, manage the technical aspects for the envisioned system, considering the future scope, define implementation as an Individual contributor, interact with stake holders to discuss future strategies.

Technologies : The application relies on Java with exposed micro services over Spring Boot & Spring Streams for data injections, data consumptions are done by Azure EventHub & Kafka at some places, the AI / ML algorithms written are being run over Python & the data analytics are being run over Python & R while as application analytics are run over Azure & MongoDB

Technologies used :

- 1.Programming languages : Java / C / Js
- 2.Frameworks : Spring / Sk learn / Spark / Storm / Angular 7
- 3.Database : AuroraDB / MongoDB
- 4.Machine Learning : Linear Regression / Decision Tree / CART
- 5.Message Systems : Kafka / Azure Event Hub / Azure IOT Hub / SNS / SQS

2. MAN Diesel & Turbo : IOT driven product application to manage the servicing & health of hardware resources deployed across the globe, via a cloud gateway

Responsibilities: Design the initial architecture for the system, manage the technical aspects for the envisioned system, considering the future scope, define implementation as an Individual contributor, interact with stake holders to discuss future strategies.

Technologies : The application is primarily developed in Java/ Scala with firmware managed via C/C++ & devise analytics using Python & R over polyglot eco-system to adhere with event driven development & No-SQL flavor MongoDB & Cassandra & Neo4j to maintain relationships

Technologies used :

- 1.Programming languages : Java / Python
- 2.Frameworks : Play / Tensor flow / Apex / Apama / RxJava
- 3.Database : MySql / MongoDB / Neo4J / Cassandra / Influx
- 4.Machine Learning : Logistic Regression / SVM / Naive Bayes
- 5.Message Systems : AWS Kinesis / AWS IOT / SNS / SQS

Responsibilities

- Evaluate various technologies w.r.to the IOT domain, and devise proof of concepts to define their efficiency as per the expected.
- Design the overall system architecture & design while adhering to loose coupling, event driven methodology and micro-services approach.
- Devise set of complex algorithms for predictive & streaming analytics.
- Cater consultation for product enhancements & identify technical feasibilities/ constraints.

Projects:

1.MAN Diesel & Turbo : IOT driven product application to manage the servicing & health of hardware resources deployed across the globe, via a cloud gateway

Responsibilities: Design the initial architecture for the system, manage the technical aspects for the envisioned system, considering the future scope, define implementation as an Individual contributor, interact with stake holders to discuss future strategies, supervise & mentor members viz. technical aspects, set future goals & path

Technologies : The application is primarily developed in Java/ Scala with firmware managed via C/C++ & devise analytics using Python & R over polyglot eco-system to adhere with event driven development

Technologies used :

- 1.Programming languages : Java / Python
- 2.Frameworks : Vert.x / Tensor flow / Apex / Apama / RxJava / Akka
- 3.Database : MySql / MongoDB / Neo4J / Cassandra / Influx
- 4.Machine Learning : Logistic Regression / SVM / Naive Bayes
- 5.Message Systems : AWS Kinesis / AWS IOT / SNS / SQS

Calance Corporation(Apigee-Google)

Technical Architect

Feb'16 – Dec'16

Responsibilities

- Establish the initial design & architecture to setup the system in place.
- Understand & articulate solutions for M2M & IOT platforms
- Identify & understand the complex problems and cater solutions for the same.
- Manage the team members & mentor them.
- Identify the set of tools & technologies to solve the business expectations with optimum technical solutions.
- Implement end to end modules such as Activiti BPM integration & Notification System.
- Co-ordinate with Business Team & occasional client interactions to understand the Business needs.

Projects:

1.Apigee : Adding the smart services functionalities to an existing API management & gateway, to enhance the capabilities of Apigee to the next level with Machine Learning.

Responsibilities: Design the initial architecture for the system, manage the technical aspects for the envisioned system, considering the future scope, define implementation as an Individual contributor, interact with stake holders to discuss future strategies, supervise & mentor members viz. technical aspects & manage project goals & deliverables, set future goals & path

Technologies: The application is deployed over AWS earlier now moved to Google Cloud Platform as micro services developed in Spring boot, using apache Cassandra as the persistence store & elastic search for the instant search items, RabbitMQ for data integrations. Tensor flow has been applied to devise numerous smart algorithms to ease the usage of tool for non technical users & analyze the reports via multiple machine learning algorithms.

Technologies used :

- 1.Programming languages : Java / Python
- 2.Frameworks : Spring / Akka / Sk learn / Spark / RxJava
- 3.Database : Cassandra / Elastic Stack
- 4.Machine Learning : Logistic Regression / K Means
- 5.Message Systems : AWS/ Kafka

CMS Labs

Technical Architect

Mar'12 – Feb'16

Responsibilities

- Collaborate with Solution / Technical Architect to devise the system design & initial architectural implementation.
- Co-ordinate with Business Team to facilitate the technical solution for the open functional aspects / problems.
- Manage team members & track their efforts / efficiency.
- Define POC's for various technologies & tools.
- Work as Individual Contributor with Full Stack Development.

Technologies used :

1. Programming languages : Java
2. Frameworks : Spring / Hibernate
3. Database : Oracle / MySql
4. Message Systems : Active MQ / Rabbit MQ

HCL Technologies

Sr.Developer

Oct'10 – Mar'12

Responsibilities

- Assist Technical Lead in High Level Design.
- Worked as part of the Development Team to achieve the specified deliverables in stipulated time.
- Perform Research & Development as part of the Pro-active program on new technologies such as Spring/RabbitMQ & Hibernate with detailed demonstrations.
- Involve in client engagements & interactions to understand their business requirements.

IAC Software (Deployed at HP)

Sw.Developer

Jan'08 – Sep'10

Responsibilities

- Participate in software development as per the assigned work.
- Explore new technologies.
- Extensive exposure and work around RDBMS's.

SKILLS:

Operating Systems: Linux, Windows, Mac.

Languages: Java-Script, Java, Scala, Groovy, Python, Ruby, PHP, R, C#

Frameworks: Drupal, Spring, Guice, Hibernate, OpenJPA, EJB, Joomla, Entity Framework, Vert.x, Rx.Java, Akka, Spring Boot, MicroServices, Oracle ATG, Play, Django, Flask, Nodejs, expressjs

RDBMS DB's: Oracle, MsSQL, MySQL, PostGre

No-SQL DB's: Cassandra, MongoDB, OrientDB, Neo4J, ElasticSearch, Aero-Spike, InfluxDB, GraphQL, Tinkerpop, Gremlin, Kibana

Web Services: Axis2, Jersey, Restlet, CXF, RestEasy

Version Controls: Git, Svn, Github, Bitbucket

Methodologies: Agile, RUP, RAD, Waterfall

Testing Tools: Powermock, Gatling, Restassured, LoadRunner, Mockito

CI/CD's:	Jenkins, Hudson, Bamboo, Teamcity, TFS, SVN, GIT, Docker, BeanStalk, Kubernetes ,Puppet,Maven ,Gradle, ANT,Checkstyle, PMD, Linting, Harness, Cloudbees, Teraform, Ansible, Chef, Puppet
Cloud:	AWS, Azure,Lambda, Google Cloud, CloudFoundry.
BigData:	Spark, Kafka, SoftwareAG's Apama, Apex, Netty, Eureka, Hystrix, Flume, Netflix OSS,Ribbon
Cache	Oracle Coherence, EhCache, MemCache, HazelCast, Apache Ignite, Redis
OSGI:	Servicemix, Apache Aries, JCR, JackRabbit,Apache Sling, Felix, Karaf,CQ5
UI:	Javascript, HTML,CSS, SASS, Angularjs, React ,React Native, ExtJs, Vue, InternJs, Bootstrap, Redux
Servers:	Tomcat, Jetty, Weblogic, JBoss, Nginx
Tracking Tools:	Jira, Rally, MsProject
AI/ ML:	PyTorch / Kaa / UiPath/ Blue Prism / Sk-learn

QUALIFICATION:

- B.Tech -C.S (Punjab Technical University) 2004-08
- Spring Certification – Coursera
- MCA - (Jaipur National University) 2015-17
- MBA - (Jaipur National University) 2017-18

In addition to being Hands on I have always been curious to deliver public speakings, tech conferences & corporate trainings. Few of the clientele & course dealt with

Course Name: Java,RxJava, Groovy, Scala, Spring, Spring Streams, Spring Reactive, Spring Cloud, Webflux, Webflow, Oracle, MsSQL, MySQL, PostGre, Hibernate, Open JPA, Web services, SOAP, Python, IBM DataPower, REST, Jersey, Axis-2, HTML5, CSS,SASS, Restlet, Wso2, Kong API

Trained at:

1. HCL
2. Cognizant
3. Wipro
4. Ericsson
5. Capgemini
6. AT&T
7. Symantec
8. Airtel
9. IBM
10. Equinox
11. Macy's
12. Walmart
13. IGT
14. Infosys
15. Wells Fargo
16. Alten
17. Future Group
18. Gilbarco
19. Citi
20. Tata Elxsi

Course Name: Oracle ATG, Elastic Path Commerce

Trained at:

1. HCL
2. Cognizant
3. Wipro
4. Travel port

Course Name: Network Security, Linux Administration, Windows Administration, Server Auditing, Website Auditing, Risk Management, Risk Analysis, Mitigations,

Trained at:

1. **Spireon**
2. **IBM**
3. **Tech Mahindra**
4. **Infosys**

Course Name: Apache Felix, OSGI, Karaf, Jack Rabbit, JCR, Atlassian tools, Rabbit MQ, AMQP, Camel, Spring Integration, JBossFuse, IBM MQ & MB, IBM WebSphere Tools, ServiceMix, ActiveMQ, Agile, Jira, Maven, Gradle, Bitbucket, Gitlab, Git

Trained at:

1. **Ericsson**
2. **Cognizant**
3. **Capgemini**
4. **AT&T**
5. **Symantec**
6. **Equinox**
7. **IGT**
8. **Infosys**
9. **Deloitte**
10. **Alten**
11. **Gilbarco**
12. **HSBC**
13. **Citi**

Course Name: Big Data, Spark, Storm, Samza, Hadoop, Apex, Cassandra, MongoDB, Advanced MongoDB Aerospike, Influx-DB, Elastic-Path Commerce, Elastic-Search, Redis, Riak, Logstash, Kibana, Machine Learning, Bigquery, Hadoop, AWS, Azure, GCP, Kafka, Zookeeper, Neo4J, OrientDB, Tinkerpop, Gremlin, GraphQL, Apache Akka, RedShift

Trained at:

1. **Cognizant**
2. **Wipro**
3. **Capgemini**
4. **IBM**
5. **IGT**
6. **Infosys**
7. **Ericsson**
8. **Nokia**
9. **Gilbarco**
10. **HSBC**
11. **Citi**

Course Name: PHP,C,Cpp ,Dot.net MVC4, Azure, Zend, Joomla, Drupal, Wordpress, Lua, Kong

Trained at:

1. Cognizant
1. AT&T
2. Cognizant
3. Capgemini
4. Global Logic
5. Mastek

Course Name: JavaScript, Angular JS, React-JS, React-Native, Jasmine, Karma, intern-Js, Nodejs, Bower,Grunt,Gulp

Trained at:

1. Cognizant
2. Ericsson
3. Capgemini
4. Deloitte
5. Dassault Systemes
6. Future Group
7. Citi

Course Name: Selenium, Security Testing,Cypress, Apigee,APIary,TestNG, Mockito, Cucumber, JBehave,Jacoco,NBehave,Spock,Gatling, Google Guice, Agile, Jira, Jenkins, Bamboo, Chef, Puppet, Docker, Nagios, Grafana,Sppinaker, Nginx, Ansible, Kubernetes, AWS, Zabbix, Sensu, Prometheus,Gherkin, Crucible, Splunk

Trained at:

1. Cognizant
2. Ericsson
3. Capgemini
4. AT&T
5. IGT
6. Wells Fargo
7. Deloitte
8. CGI
9. Dassault Systemes
- 10.UbiSoft
- 11.FutureGroup
12. Gilbarco
13. Citi

Course Name: IOT, AWS-RTOS, TensorFlow, UiPath, AWS Green grass, IOT Gateway, Azure Event Hub, EventGrid, DeviceManager, Edge ,Gateway, RaspberryPI, Machine Learning, Deep Learning, Artificial Intelligence, ML Algorithms, pyTorch, Keras

Trained at:

- 1. Cognizant**
- 2. IBM**
- 3. Wipro**
- 4. Citi**
- 5. Gilbarco**
- 6. Volkswagen**
- 7. Volvo**
- 8. JCB**
- 9. Infosys**
- 10. Alten**
- 11. Boeing**
- 12. Symantec**
- 13. North Shore**

I here by declare that the above mentioned details are accurate & depict my skills & expertise

Mohsin Khursheed