



Gopal-Tiwari.github.io



Linkedin.com/in/GopalTiwari2012



Github.com/gopal-tiwari



DZone.com/users/2730125/GopalTiwari2012.html



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Gopal Tiwari

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Profile

Adroit Open Source and **Big Data enthusiast** working as Developer with IQVIA (formerly QuintilesIMS), having an experience of more than **5 years** in product development with **Scala, Java & C#**. Advanced technical experience on ETL solutions for Big Data using **Apache Spark, Kafka, Hive, ElasticSearch**, Logstash, Kibana and Cassandra. Having proclivity towards learning new technologies and languages.

Languages

Java	●●●●○
Scala	●●●●○
C#	●●●○○

Big Data Stack

Spark Batch	●●●●●
Spark Streaming	●●●○○
Apache Kafka	●●●○○
HDFS	●●●○○
ELK Stack	●●●●○

Databases

Hive	●●●●○
Impala	●●●○○
Cassandra	●●●○○

Web Technologies

AngularJS	●●○○○
Bootstrap	●●●●●
CSS3	●●●●○
HTML5	●●●●○
JQuery	●●●●○

Other Tools/Technologies

Git, Jenkins, ASP.NET, Signal-R, Web Sockets, Windows Services, REST Services, Shell Scripting, Spring, Grafana, Windows, Linux, Cloudera, Jgitflow, Jenkins

Education

B.Tech CSE	UPTU – 2012 (73.68)
Intermediate	CBSE – 2007 (64.6%)
High School	CBSE – 2005 (61.6%)

Microsoft
CERTIFIED
Professional

Microsoft
Specialist
Programming in C#

Microsoft
Specialist
Programming in C# with JavaScript & CSS3

Experience (5.8 Years)

IQVIA (formerly QuintilesIMS) As Developer (30 Nov, 16 – Present)

PDS (Patient Data Strategy)

(Apache Spark, Hive, Impala, HDFS, Scala)

PDS is all about extracting insights from TB's of data collected at medical transactional level. Ex. Prescription adherence of a patient, his choice of medical plan/store, predicting future inventory stocks for pharmaceutical clients etc.

Responsibility: To create query builder & a file framework to validate, upload, schedule and process data stored in **Hive**, based on criteria provided in config files. Code is primarily written in **Scala** using **Spark**. **Tuning & optimizing of Spark memory & cores** requirement is one of the critical tasks for this project due to huge data volume.

Loyalty Hub

(Apache Spark, Hive, Impala, HDFS, Scala)

Loyalty hub project is based upon finding if a patient is loyal in taking or following his perception or purchasing medicines from a specific store.

Responsibility: Majorly task involves writing & tuning **Scala** code to utilize **Spark** framework & applying transformations on data stored in HDFS using SparkSQL.

Infosys Ltd. & EdgeVerve Systems Ltd. As Senior Systems Engineer

(10 Feb, 14 – 18 Nov, 16)

Infosys Mana

(Apache Spark, ElasticSearch, Logstash, Kibana, MySQL, Java, Kafka)

Infosys Mana is a knowledge-based AI platform which continuously learns routing logic, resolution processes and diagnosis logic to build a knowledge base that grows and adapts to changes. It contains features like predicting events, bug localization, knowledge modeling and self-healing incidents using its knowledge base.

Responsibility: **Core Java Development, ElasticSearch**, Logstash, Kibana, **Kafka**, Visualizations of Dashboards, Metric computation ETL coding for streaming data with **Spark Streaming and Kafka**.

IADA (Infosys Anomaly Detection & Analytics)

(Apache Spark, Cassandra, Logstash, Kafka, spring, Web Sockets, cubism.js, jQuery, Scala, Java, Thrift)

IADA is able to show real-time multiple metric graphs and their correlation ranks between different metrics like CPU, Heap or Physical memory uses, etc.

Responsibility: Kafka administration, Metric ETL coding for **Apache Spark** and Kafka, Scala coding, Spring Rest, Front End & Web Sockets.

Interests



Online Articles Published

- Build and Install Hadoop on Windows with Native Binaries
 - Article Link (goo.gl/SNVNOz)
 - Video Link (goo.gl/65Erh3)
- Setting Up and Running Apache Kafka on Windows OS
 - Article Link (goo.gl/fIXVh6)
 - Video Link (goo.gl/iLSSya)

Can Speak & Write

- English
- Hindi

Contact Info



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Infosys Command Center

(ASP.Net, ADO.Net, C#, MS SQL Server, Windows Services, JQuery, Bootstrap, CSS3, Tibco Queue, D3.js)

Infosys Command Center is a business monitoring and anomaly detection system that allows users to monitor their business metrics, incident tickets and job schedules in real-time and is able to predict or show anomalies on live data.

Responsibility: Windows service code in C# for Incident & Job Processor, Anomaly Graph development using D3.js, Database development, code integration & Code quality monitoring.

Finacle E-Banking

(Core Java, Spring Framework, Oracle Database)

Finacle Online Banking solution provides a unified internet banking platform that caters to the banking needs of a bank's retail & corporate customers.

Responsibility: Core Java Code, Customizing/configuring product according to client's need, development of new feature.

Bizz Shine Infosystem Pvt. Ltd. As Software Developer (02 July, 12 – 7 Feb 14)

FriendsMantra.com

(SignalR, asp.net, MS Sql Server, Bootstrap, jQuery)

A Social Networking website with features like chatting, friend request, people search, content sharing, image sharing, photo albums and more.

Responsibility: Architecture design, coding, UI & database support for user & admin panel.

SaralBusiness.com

(asp.net & MS Sql Server, Bootstrap, jQuery)

SaralBusiness is a Vendor Listing (yellow pages) website where owners can register their businesses & end-user could search by his criteria.

Responsibility: Frontend, Backend & Database developer.

Activities & Awards

- Awarded "Above & Beyond" in IQVIA for exceptional product delivery.
- Received participation certificate for Capgemini Tech Challenge 3.0 in 2016.
- Awarded honorable Mention for Project ElectroSoft in "International Innovative Application Competition" at Geneva, Switzerland by International Telecommunication Union (ITU), Switzerland. (goo.gl/XIKpYT)
- Selected in National Level Competition-TechTop 2011 in top 18 software projects of India. (goo.gl/vs5ls7)
- Secured 2nd position in IBM National Software Demonstration Competition in 2012.
- Technophilia Solutions - awarded 1st position in Wired Robot Racing Competition
- Awarded Gold in Caring Souls Foundation(NGO) for helping cancer victims

Industrial Trainings

- Attended 15 Days **LightBend training on Scala & Spark**.
- Six month training in C# & ASP.NET (With SQL SERVER 2008) from NIIT
- Training in J2EE with Struts Framework at HP Education Services

Technical Presentations

- Presentation on **Git branching standards** using JgitFlow & Jenkins in IQVIA.
- Presented a Business plan on ELECTROSOFT in National Level Competition
- Presented paper on Mobility Issues In 4G Communication in ITBHU (IEEE)
- Delivered a seminar on "CLOUD COMPUTING" in Colleague