# Qiaofeng Guo

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| **Objective:** | **Solution Architect /Big Data Developer** |
| **Experience:** | 16+ years of working experience in IT industry |

## PROFILE

* Expertise in all phases of SDLC (specialized in Big Data Solution), analysis, design, development, testing, deployment and support.
* Developed success-proven standardized solution for delivering Ingestion and extraction products using Big Data technologies.
* Proficiency in software development including Java, Hive, Oozie, Data Processing, ETL, EDW, scala, C++, Python, Perl and shell scripts.
* Strong knowledge for BI, Hadoop, HDFS, MapReduce, Spark, Scala, Yarn, Data Lake, Oozie, Hive, Sqoop, Hue, Tidal, Ingestion/Extraction Framework and BigData eco-system
* Work experience with enterprise level database Teradata, Oracle, SQL Server, DB2, Hive and others
* Working experience in Banking, Mobile, E-Commercial, Financial, BI and Tele-communication industry.
* Self-motivated, effective working independently or as a team member,
* Outstanding problem solving, analytical, reporting and communication skills, always acted as a “GO TO” guy and mentor of team members.
* Excellent interpersonal, verbal, training, and written skills.

## Technical Skills

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| **Big Data EcoSystem~** | Hadoop, Spark, Yarn, Oozie, Hive, Sqoop, Hue, Podium, Talend, pig, Akka, Kafka, HBase |
| **Languages & Scripting~** | Java, Python, Scala, Shell scripts, pig, C++, VBA, HTML, XML, DHTML, XML, JSON, JavaScript, Perl, Store procedure and so on |
| **Developing Tools ~** | Eclipse, Intellij, Git/Stash, maven, Nexus, Confluence, JIRA, Podium, Jenkins, SVN, Tortoise SVN, Ant, Selenium, Functional Tester and others |
| **Databases Related~** | DB2, Teradata, Oracle 10g/11g, SQL Server 2000/7.0, OLTP, OLAP, Data Warehouse, SQL, Informatica, , SAS, BI |
| **Operating Systems ~** | Virtualbox, Docker,QNX, iOS, Android, Ubuntu, CenOs, Windows10/7/Vista,XP/2000, DOS, UNIX, Linux, AIX, Solaris, |
| **Networks ~** | GSM,EDGE,UMTS,CDMA,LTE,TCP/IP, Socket, HTTP/HTML, LDAP, IIS, Apache, CGI |

## WORKING EXPERIENCE

**Jul, 2016 – Present TD Bank, Toronto, ON**

**Big Data Solution Architect**

* Participated the project planning, provided the project estimation and end to end big data solution
* Reviewed and provide the feedback for SSRS, Test Plan, Designed and developed the SSDS
* Ingested the multiple source data into (Java MapReduce SerDe adapter, podium) into EDPP platform built on top of Hadoop
* Extracted and transformed the data from hive to downstream team (Java, Oozie, Hive, Sqoop, UDF, Shellscripts) for multiple projects
* Worked with the file processing using scala and spark.
* Guided and mentored the solution developers, provided the solution approach, code review and project documents.
* Daily responsibilities include: project team meeting, solution design, code implementation, code review, code build, deployment and production support, ingestion and extraction execution and provide status update to LOB
* Supported testing and deployment for SIT, PAT and PROD (only two members involved production support)
* Working with team to do POC with new big data technologies.
* Completed 14 projects in 16 months, rescued two production projects, finished two special projects, received 3 WOW moments

Tools and environment: Intellij, Java, Cloudera-Hadoop, MapReduce, HDFS, Yarn, Oozie, Hive, Sqoop, Hue, Spark, SparkQL, ElasticSearch, Cassandra, scala, python, Podium, pig, linux, git/stash, nexus, maven, Jenkins, Virtualbox, Docker and so on

**Aug, 2012 – Jul, 2016 ScotiaBank, Toronto, ON**

**Big Data/ETL consultant**

* Managed multiple EDW projects against heavy duty of ETL loads in data warehouse which involved with Big Data environment
* Provided the migration solution (data modelling, metadata creation) from EDW to EDL, assess and validate current EDW-EDL migration process
* Provide consulting to customers in identifying Big Data use cases and then guiding them towards implementation of use cases.
* Extracted, transformed and loaded the source data into EDL from Source file to Raw Zone then TS zone under Hadoop environment using MapReduce, Sqoop and Hive for multiple projects
* Write complex SQL/Hive QL and Scala scripts to parse data in Hive, client source files or log files for data extracting, transforming and loading in Hive
* Working knowledge with multiple business project such as MPT (NOMIS price engine optimization), D2D bank, RDS/RDM and so on

Tools and environment: Agile, Eclipse, Java, DB2, Netezza, Teradata, Linux, hortonworks-Hadoop, Spark, Scala, python, Kafka, Yarn, Data Lake, Hive, Sqoop, Hue, Informatica, SAS, Cognos BI report and so on

**Mar, 2008 – Aug, 2012 Research In Motion, Toronto, ON**

**Senior Java Automation Developer**

* Analyzed, created and reviewed the requirements, test plans and test cases.
* Designed and developed the Selenium/RFT data driven automation framework (object mappings, actions and test data) for new requirement and regression
* Implemented the Web service REST API testing framework to validate JSON and XML
* Leaded, assisted and reviewed migration from the existing Rational Robot test suit into Eclipse Selenium version.
* Worked on multiple projects (RIM provisioning, BES, BMS, UDS and so on ) from build to build

Tools and environment: Selenium, RFT, Eclipse, JSON/XML, Python, Rational Robot, MQC, Integrity, Confluence, Jenkins, Ant, Weblogic, J2EE web application, SQL Server, Oracle, VMware infrastructure and so on.

**Sep, 2004 – Mar, 2008 ReserveAmerica, Mississauga, ON**

**Java Developer**

* Participated in BRD review and requirement analysis
* Played a key role in Finance Management and Inventory Management
* Involved in designing and developing back end java beans using OOPS.
* Designed and developed IDS (Inventory Distribution System) using ORM to support functional and performance testing
* Wrote automated test cases using Junit to test the application
* Troubleshoot critical production issues.

Tools and environment: J2EE web application, JBoss, Hibernate, JMS, Oracle, Unix, tomcat, Ant, Eclipse, SVN, subversion and SlamD.

**Jan, 2004 – Sep, 2004 CaseWare International Inc, Toronto, ON**

**Automation Developer Product: CaseWare Time** 

* Designed & developed an automation framework with QTP (8.0) for use on CaseWare WorkingPaper, CaseView and CaseWare Time products.
* Planned, documented and implemented automated test cases for CaseWare Time and CaseView software (quick plan, big plan and master plan)
* Tuning and optimized Transact-SQL for CaseWare Time that is used to migrate database from Foxpro 6.5 to MS SQL Server 2000
* Developed workflow for CaseWare Time using ASP, JavaScript, XML, DHTML and CCS.
* Trained 2 QA engineers and 2 developers to use the automation framework and developed additional test cases and continued with framework enhancements.

Tools and Environment: SilkTest, Visual SourceSafe, Window 98/2000/NT/XP, SQL Server 2000

**Apr, 2001 --- Dec, 2003 Mitel Networks Corporation, Ottawa ON**

**Software Developer**

Product: Mitel Networks 3300 Integrated Communications Platform)

* Designed and implemented Client application (mtaix.exe GUI version and console version) using MiTAI.
* Developed an automation-testing tool for testing MiTSP and TAPI application program interface.
* Maintained and executed the QTP (6.0) testing scripts for regression.
* System Verification for MiTAI from 11.0.1.1 to 11.0.1.17 release and MiTSP (4.0.1.x release). Help MiTAI documentation for ICP 3300.

Tools included: C++, Visual C++, MFC, Windows NT/2000/XP, PC\_lint, Installshield

## EDUCATION

Jul, 1990 – Jun, 1994 Bachelor of Computer Science

Shanghai Jiaotong University, Shanghai, China

## REFERENCES

Available on Request