Haibo (Tristan) Yan

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Working status: H1B(I140 Approved, need H1B transfer)

Professional Experience

Cloudera, HDFS – Palo Alto, CA
Software Engineer, Nov 2017 – Current
   Maintain Cloudera Hadoop distributed file system test code, design and implement, develop open source project Hadoop's code and enhance feature for Hadoop distributed file system. Execute and run Cloudera's Hadoop distributed file system smoke tests and performance tests.
   Responsible for Hadoop distributed file system Snapshot feature test development. Drive the robustness of Hadoop distributed file system source code and automated Hadoop distributed file system's CICD system. Fix Hadoop distributed file system production bugs and test bugs. Support Cloudera customer issue on Hadoop distributed file system.

Intuit, IDEA – Mountain View, CA
Staff Software Engineer, Nov 2015 – Nov 2017
   Design and implement Intuit A/B Testing product Jabba. Design dozens of solutions driving continuous improvement to processes, system, work flow and customer responsiveness.
   Drive all phases of enterprise integration and process improvement projects to successful completion, including performance testing automation and implement single sign-on process for Jabba.

   Designed a large-scaled data pipeline using Apache Kafka, Spark, Hive and HDFS that consume customer data and present to data scientist. This data pipeline collects Intuit customer clickstream events, store in Apache Kafka, these big chunks of data will be transformed by spark job and eventually go into hive database.
   Build a responsive test framework that testing data pipeline that supports Hadoop HDFS, Apache Kafka, Cassandra.
   Build a responsive ML pipeline that data scientist can test ML model on training data and deploy model into production environment.

ORACLE AMERICA INC, JAVA PLATFORM GROUP - SANTA CLARA, CA
Principal Member of Technical Staff, Feb 2011 – Nov 2015
   Responsible for JDK 7/8 networking quality assurance
   Review existing test programs for JDK libs, xml, networking component, including tests for JDK library like collection framework, Lang, IO/NIO, zip, Concurrency library, JAXP, RMI. Improve test quality and fix test bugs. Also work on Langtools team to design and develop tests for Java

compiler - javac, java Decompiler - javap and Javadoc.

Design and implement JDK test plans, scenarios and procedure. Plan test schedules or strategies in accordance with project scope and delivery dates. Develop testing program that address areas such as regression test, functional tests and performance tests and run execution on various platform.

QE lead for JDK 7 NIO tests framework, JDK 8 lambda and new collection test framework, JDK 9 feature modular system.

Perform as a technology lead and core QE engineer to lead the team to cater new test methodology.

CA Technology, Clarity PPM - Beijing PRC
Principal software engineer, Nov 2009 – Feb 2011

Design and implementation Clarity PPM product OWB & MSP development and customer support.

Core developer for Clarity PPM Open Workbench product, Open Workbench is an open source Windows-based desktop application that provides robust project scheduling and management functionality and is free to distribute throughout the enterprise. When users need to move beyond desktop scheduling to a workgroup, division or enterprise-wide solution, they can upgrade to CA's Clarity™ system, a project and portfolio management system that offers bidirectional integration with Open Workbench.

IBM, Tivoli - Beijing PRC
Staff software engineer, Nov 2005 – Nov 2009

Designed and developed IBM Tivoli ITCAM for J2EE/WebSphere product, leading a team to develop GUI for ITCAM for J2EE/WebSphere. Solving customer technology issues and L3 customer support. ITCAM for J2EE/ WebSphere enables users to view the health of Web applications and servers, then drill down to diagnostic information for specific application requests to identify the root cause of problems.

Designed and implemented IBM Tivoli OMEGAMON family of products, provides a comprehensive performance and availability solution to proactively analyze and manage operating systems, databases or other environments for optimal performance. It helps you detect bottlenecks and other potential performance problems from multiple vantage points, and quickly isolates and takes action automatically to resolve these issues.

Skills

Programming Languages: Java, C/C++, Python, Scala, Go, Shell Scripting, Objective C, Swift, JavaScript, Cobol.

Application Software: Apache Hadoop, Apache Kafka, Apache Spark, Apache Storm, Apache Flint, Cassandra, Spring , Redis, NetBeans, Eclipse, IntelliJ, Xcode, Jenkins, Apache Web Server, Jetty, Nginx, Tomcat, AWS, , Maven, make, Java EE.

Operating Systems: Windows, Unix/Linux, Mac OSX.

Open source community

Open JDK Committer : tyan