

Devang Mistry

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Summary

Dedicated Software Engineer with experience in turning customer needs into well designed, extensible solutions. Proficient in **data engineering** and analysis, design, implementation and testing of **distributed systems**. Proactive problem solver and communicator looking for an innovation-driven culture to make an impact in.

Work Experience

Software Engineer at **AT&T Foundry** Palo Alto, CA Jul. 2012 – Aug. 2014

- Prototyped analysis and joining of customer data using HDFS, Spark, Scala and Gradle.
- Designed and built SMS authentication and authorization for an OAuth server using Rails.
- Lead for a prototype REST API that provided network latency information to third parties.
- Designed and implemented an anonymization tool using Hadoop for arbitrary datasets including PII and SPI data.

Software Engineer at **Klout** San Francisco, CA Aug. 2010 – Mar. 2012

- Designed and implemented a framework for social network data collection in Java using Zookeeper, HBase, Thread Pool Executors, Spring and Protocol Buffers.
 - Used modular interfaces with generics, design patterns, composition and dependency injection to provide readability, extensibility, re-usability, and testability.
 - Enabled increasing total number of collected social networks and merged three disparate code bases into one while increasing collection reliability and speed.
- Implemented algorithms for Klout Score, Influenced By/Of in a scalable way using MapReduce, Pig, Oozie, Mahout and HBase.
 - Implemented feature extraction, data transformations, group-bys, joins and statistical algorithm using MapReduce and made data available on a REST API through HBase.
 - Using efficient deltas, enabled processing of 90 days worth of data and handling 20x data size growth over two years.
- Added dependency management, configurable job types, chained jobs, Oozie and MapReduce reruns to Java/Spring-based job scheduling framework.
- Implemented Thrift services for serving social graph data using Scala and Akka as part of helping design and implement a streams architecture.
- Used test-driven development and good coding practices with appropriate test frameworks (TestNG, MRUnit, Mockito) for Unit and Integration testing.

Education

- Missouri S&T, **Dual BS in EE and CpE**, Rolla, MO Aug. '01 - May '06, Aug. '08 - May '09
- Shawnee Mission East H.S. Diploma, Shawnee, KS Aug. '99 - May '01

Technologies

- Languages: Java, Scala, C/C++, Python, Ruby, Bash, SQL, MATLAB
- Linux Distributions/IDEs: Ubuntu, CentOS, Redhat, CoreOS, IntelliJ IDEA
- Frameworks/Libraries: Hadoop, HBase, Gradle, Guice, Guava, Akka, Samza, Spark, Oozie, Pig, Hive, Zookeeper, Protocol Buffers, Spring, Maven, Thrift, TestNG, Mockito, ScalaTest, Jenkins, Openstack, Git, VisualVM, YourKit, Kafka, Jetty, Docker.