<div align="center">**Big Data Specialist**</div>

United States Citizen


### Professional  Profile

Lead Hadoop Admin with Systems and Support experience within large & small scale Hadoop environments.  Extensive Hadoop security skills within the health care industry.  Strong skills in testing Hadoop core components.


### Linux Systems –  CentOS/RHEL 5.9 to 7 & Ubuntu 14.04

OS Installation and Configuration via Cobbler & Puppet
Nagios Installation, Configuration & Modules
Cluster Admin: pssh, Cluster Shell, Python & Salt Stack


### Hadoop  – Hadoop 1.0 to YARN framework

Cloudera & Hortonworks Hadoop (Ambari Admin)
Hadoop Mapping & Reducing Benchmarks and Synthetic Workloads
Pig    Hive   Hbase Sqoop Tez  Flume  Storm
**Spark**--M/R, SQL, Streaming, Machine Learning & Graphx Contexts
Hue    Accumulo   Knox   Ranger    Centrify     Kerberos


### Work History

Highmark Health
Lead Hadoop Admin, December 2015 to October 2016
- Landing Healthcare PHI from Teradata & Oracle databases to HDFS or Hive.
- Worked closely with SAS Solutions Architect and brought him up to speed with basic Hadoop.
- Responsible for Hadoop regression tests of 5 Hortonworks Clusters.
- Provided infrastructure advice to optimize resources—saving over $60,000 in hardware costs.
- Encrypted, Centrified (Kerberized) and Rangerized Hadoop Clusters for Healthcare PHI.
- Solved Hadoop issues when HortonWorks stated, "Not under our Support Contract."
- Mitigated future hard drive space issues by intensive synthetic workloads—shakedown cruise.

FogBone Design  — Chicago, Illinois
Consultant, September 2014 to November 2015
- Small business web site modifications.
- Attended AITP regional meetings.
- Self-study through Coursera—Data Scientist Track.

Sears Holdings Corporation — Hoffman Estates, Illinois
Hadoop Administrator, January 2013 to September 2014
● Responsible for a 600+ Production Hadoop environment w/ 100+ jobs/hour average.
● Suggested, and later implemented, a suite of production regression tests that validated peripheral Hadoop components--Hbase, Hive, Oozie, Sqoop, Pig, etc; BASH scripts were coded and optimized for  Samsung mobile devices--easing administration during off hours.
● Authored an hour-by-hour document that included every command and procedure, with execution times, during a Production Upgrade of 616 Worker Nodes to CentOS 6.4 and CDH 4.3.
● Designed an online, internal web-based RunBook for the Production Hadoop Master and Worker Nodes that included hardware information, production changes and software versions.
● As Primary Support Administrator, analyzed system resources and poorly coded jobs; cleared HDFS space and provided technical support.
● Assisted by the Network Administrator, installed and benchmarked a Mellanox Infiniband switch, network cards and software for CentOS 6.4.

IBM — Research Triangle Park, North Carolina
(Test Engineer) High Performance Server Tester, March 2011 to November 2011
● Responsible for writing defect reports for failed server tests.
● Discovered software errors that were constant or intermittent.
● Ensured functional tests were consistent across Enterprise OS platforms—Linux & Windows.
● Wrote Linux BASH scripts to expedite testing.
● Experienced using BIT (BMC IPMI Tester), SM_Bridge and ASU testing.
● Testing environment included the following IBM servers: Kong (x3750) & Ghidorah (x3850).


 **Education**
UNIVERSITY OF ALASKA FAIRBANKS — Fairbanks, AK
Bachelor of Arts
Major: Anthropology        Minor: Broadcast/Journalism

DAVEA VOCATIONAL SCHOOL — Addison, IL
Certificate in Digital Electronics


 **Online**
http://www.fogbone.com


 **Community & Organizational Involvement**
Association Information Technology Professionals (AITP), 2013 to Present
Linux User Groups – Present