

# Singh, Kamaldeep

---

mailkamaldeep@gmail.com | +91-8105803335 | <http://in.linkedin.com/pub/kamaldeep-singh/21/471/73b> | [github:@kamaldeep-ebay](https://github.com/kamaldeep-ebay)

## Education

- **M.Sc. (Tech.) INFORMATION SYSTEMS** **CGPA: 8.01 / 10**  
**BITS PILANI HYDERABAD CAMPUS, HYDERABAD** **YEAR OF COMPLETION: 2013**

## Skills & Abilities

### PROGRAMMING LANGUAGES

- C (beginner), Shell (proficient), Java (professional experience), Perl (beginner), Python (beginner)

### BIG DATA FRAMEWORKS

- Apache Hadoop, MapReduce, HBase, Sqoop, Hive, Mahout, Spark, Cloudera Manager, Ambari,
- Ansible (Configuration Management), OpenStack, Nagios, OpenTSDB

### TOOLS

- Weka, Graphite, Riemann, HPROF & Java Mission Control, TestNG, Amazon Elastic MapReduce, Amazon EC2
- Wireshark, Tshark, phpMyAdmin, Android Developer Tools, Eclipse IDE

### PLATFORMS & DATABASES

- Linux, Android, Windows, MySQL, Oracle 11g

## Experience / Projects

### SOFTWARE ENGINEER, EBAY INC., BANGALORE

DEC. 2013 – PRESENT

- Hadoop Operations
  - a) Cluster Standardization through Ansible Playbooks
  - b) Cluster Upgrades & Testing
  - c) High Availability Setup, Benchmarking and Load Testing
  - d) HBase and Hadoop Job Performance Optimizations
- Development Projects
  - a) Hadoop Connector with OpenTSDB and Graphite (Open-Sourced)
  - b) Hadoop Test Framework
  - c) Automation of Hardware Remediation in clusters

**ASSOCIATE SOFTWARE ENGINEER, C.A. TECHNOLOGIES, HYD.**

JUL 2013 – NOV 2013

- LACP Device Support in Spectrum
- Spectrum Device Certification Automation - Spectrum Enhancement for automatic alarm support for new devices using text classification.

**INTERN, AMAZON DEVELOPMENT CENTRE, HYD.**

JUL. 2012 – DEC 2012

- **Automated Data Comparator Engine** – Scalable and automated tool for validating redesigned services using MapReduce and Hadoop.
- **Structured Data Retrieval Service** – RESTful Web Service to automate the creation of JSON objects for unit testing.

**TERM PROJECTS**

- **Scalable framework for Detecting Network Threats based on Machine Learning** Jan – April 2013

- a) Designed an efficient packet sniffing tool built on Dumpcap and Tshark to minimize the packet loss and used Apache Hive and the Apache Mahout library for classification

- **Optimizing search in Unstructured P2P Networks**

Feb 2013 – April 2013

- a) Performed a Comparative Study of various search methodologies in P2P networks such as flooding, random walk.

- **Other Projects**

- a) Developed an Android app “Pearl 2012” for Pearl, annual cultural fest at BITS Pilani Hyderabad Campus in 2012 - <http://bit.ly/wo6oth>.
- b) Developed a “Shopping Mall” application in Java with Design Patterns (Singleton, Factory, Iterator)
- c) Presented a Crisis Management Android app “iHelp” in Google Developer Group’s “Hack 2012”.

**Elective Courses**

Machine Learning

**Awards / Achievements**

- Rookie STAR Award at GDI All Hands 2014, San Jose, eBay Inc.
- SPOT Award, eBay Inc.
- Winner, International Informatics Olympiad in 2009.