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Experience

- 9+ years of IT Experience.
- 1 year at Intel / Mashery as Senior Data Engineer.
- 1.5 years in UK as Lead Developer for large UK based Media and Digital Communication client in Big data/ Hadoop platform project.
- 2 years as Big Data Architect/Senior Developer at TCS's Digital Enterprise unit –Next-Gen group.
 - Inducted and Trained 30+ associates to setup Big Data team.
 - Supporting multiple teams in Design, development and estimations for projects and proof of concepts.
- 3 years in US as Senior Developer for Large Telecom provider as Lead Developer.
- Delivered diverse projects ranging from building a RFID middle-ware product to dispatch and time reporting system for mobile workforce.
- Experience in both typical Enterprise development -Java/J2EE and niche/emerging technologies - Big Data, RFID, mobile app development.

Skills

- Big Data: Spark , Flume , Hadoop, Hive, Pig, Map-Reduce, Cascading.
- NoSql : Elasticsearch, Cassandra, HBase.
- Concepts: OOD, Design pattern, Concurrency, Algorithms & data structures.
- Languages: Java, C++, C, Scala(learning).
- Back end :J2EE,Servlets/JSP , EJB ,JMS, Web Services (SOAP/REST),Spring
- Front end: HTML/JavaScript, Java Swing/Applet.
- XML : XSLT/XPath, DTD/Schema,DOM/SAX
- App Server : WAS,Jboss, Weblogic
- OS: Windows, Linux – Centos, Ubuntu.
- Version Control System: SVN, GIT, CVS.
- Build Systems: Maven, Ant.
- DB: Oracle, MySQL , Actian Matrix.
- Domain: Payment, Access Control, Dispatch System, Time reporting, Mobile workforce.
- Mobile: Blackberry/J2me App Dev.
- RFID: Middle-ware, Smart Cards,NFC.

Certifications

- Cloudera Certified Developer for Apache Hadoop CDH4 (CCD-410)

Employment

- Intel India Corporation Ltd, Pune, India; 2014-Present.
- Tata Consultancy Services Ltd, Pune India; 2006-2014.

Projects

Mashery Data-mart – Pune 2014 –Till Now

- Senior Data Engineer for Mashery Data-mart project.
- Transition from splunk based systems to open source components: Hadoop/Hive, Kafak, Spark, Flume.
- Designed, implemented **Apache Flume** based Data Ingestion framework across **4** AWS regions, 2 Data centers scaling up to 300 servers handling **35,000** events/sec.
- Implemented hybrid storage system combining HDFS for recent and Amazon S3 for older data accessible via same hive sql interface.
- Created Data Pipeline Metrics and Grafana Dashboards for system wide stats view.
- Did Cloudera Cluster configuration, tuning and High availability Automation via CM API.
- Code/Design review, mentoring and handholding new team members.

Dentsu Aegis Networks –London/Pune 2013 –2014.

- Tech lead for leading Media and Digital Communication Company building a big data platform for measuring campaign effectiveness and cross channel reporting with 20+ batch and real-time.
- Install and administered CDH cluster.
- Designed and Developed Core Ingestion module, at present ingesting data into platform (hdfs) from 6 different sources like Google cloud, ftp database.
- Designed ETL Pipeline in cascading to standardize data format from per advertise base encoding formats.
- EAI based architecture integrating ingestion and ETL module into Big data platform.
- Used spring security to secure REST web services exposed by the platform.

Consolidate Audit Trail – Pune, India 2013.

- US SEC is planning to implement comprehensive audit trail that will allow regulators to more efficiently and accurately track activity in NMS securities throughout the U.S. Market (<http://catnmsplan.com/>).
- Massive amount data from Exchanges, Brokers and Market maker has to be stored and processed.
- Part of proposal team contributing in Big data area.
- Designed and implemented core functionality of validation and order linkages with **Java and MapReduce**.
- Benchmarked solution with large data and different cluster configuration for base results that can be extrapolated to estimate actual hardware/software requirement.
- Did cluster sizing based upon storage and processing time requirement at different stages of architecture.
- Technology selection and evaluation for different requirement, worked on **Hbase, Hive, cascading, pig**.

TCS Digital Enterprise unit –Next-Gen group – Pune, India 2013

- Forming a core team for Big Data technology in Pune under Next-Gen group.
- Mentoring and training team in big data technologies with case studies and hands on modules.
- Helping customer roadmap Big Data entry with collaboration in architecture, design, road-mapping and Proof of concept solutions.
- Developing core components, algorithms, storage schemas for Hadoop/Map reduce and NoSql databases.

HP –Pune, India 2012-2013

- Lead team of 10 people to deliver HP Discover event mobile application across iOS, android, mobile web, IE9.
- Very short time span with last minute changes to app content and feature list.
- Delivered app successfully with more 1500 downloads and 4+ rating iOS and android app store.

Verizon Inc. Silver Spring, MD, USA; Lead Developer; 2010-2012

- Developed and maintained a Middle-ware between dispatch and payroll/labor reporting system for Verizon's field technicians.
- Large-scale enterprise integration effort of connecting Job dispatch domain with payroll reporting applications – involved up-to 12 upstream/downstream systems.
- This application helped to reduced user's manual interaction with 8 systems to 3 systems and increase productivity of technicians up to 20%.
- Developed and maintained a unified mobility platform, Server and Client side framework -this framework is being re-used across company by more than 6 teams to develop mobile applications.
- Using above framework developed Remote workforce Management and Job Status-ing mobile application. This application allowed technicians to view/status/update their jobs in the field where using laptops is not possible.
- Technology used Java, J2EE, Oracle, BlackBerry Platform, HTML Java Script, XML, XSLT, Web-services.

Sony Pictures Entertainment (SPE), USA; Lead Developer; 2009-2010

- Designed and Implemented a Personal information management mobile application for SPE executives.
- Application synced personal /corporate contacts, call notes b/w blackberry and LDAP, more than 10k records on mobile device with 2 way sync b/w client and server.
- Designed special storage scheme for fast search and retrieval 10K + records.
- It was used by SPE leadership team as pilot and then rolled out to 1500 Mid-level executives.
- Technology used Java, J2EE, Oracle, Blackberry Platform, HTML Java Script, XML, Web-services.

RFID Innovation Lab TCS, Kolkata India; Software Developer; 2006-2008

- Designed and implemented an Access control system for large IT facility; Server (Jboss, JMS, Servlets), Devices (Smart Card readers, turnstiles/barriers, LCD display).
- Did initial research and implemented a remote banking prototype using smart card and NFC enabled phone for rural areas where an actual bank is hard to reach.(J2ME,Nokia NFC API, smart card reader)
- Did initial research and implemented prototype of Mobile phone as contact-less payment card
- Nokia 6131 NFC, Smart card reader, J2me app, swing desktop POC app.
- Design and implemented a Sensor middleware which interacts with different types of sensors and enterprise systems (Jboss, JMS, Servlets, MySQL, JMX,Sockets)

Education

- Bachelor of Engineering (B.E.) in Computer Science; 2002-2006; IET DAVV, Indore M.P. India.

Other Activities

- Attended Meetups on Hadoop, Hbase,Strom/Trident, Cassandra in London 2013-14.

- Conducted session on Verizon mobile capabilities in Blackberry Developer conference/meet up in Washington D.C. - 2011.
- Attended RIM Blackberry Developer Conference– Washington D.C. 2010,2012
- Attended Qcon New York conference– New York 2012.
- Conducted Sessions on Mobility, Big Data under Academic Interface Program TCS – Bhopal, Indore, Vidhisa India 2012.