Trainer Profile – Sandeep Agarwal

Profile

- Certified Professional in BigData and Hadoop in 2 0 1 5 .
- More than 18 years of experience in Information Technology and extensive hands on in application development involving Analysis, design, development and maintenance.
- Extensive 10+ experience in Data Mining and Business Intelligence in RDBMS system.
- Business Domain experience in Manufacturing, Retail, Banking, Insurance
- Exposure in Apache Hadoop ecosystem such as Map Reduce, Hive, Pig, Sqoop & HBase.
- Experience with large-scale, distributed systems design and development with strong understanding of big data.
- Full understanding on Query Programming Model of Hadoop (Hive and Pig).
- Good Knowledge on HDFS files systems and YARN.
- Understanding of Name node, Data node, Resource Manager (Job Tracker), Node Manager (Task Tracker), Secondary Name node and Application master.
- Understanding of Hadoop local mode, Hadoop Cluster mode for production.
- Understanding of Cloud Computing like EC2. Installation of Hadoop cluster on Cloud
- Working experience on JAVA and C++ and exposure to Scala.
- Understanding Architecture of HDFS
    - Installed Hadoop 2.6.0 on Ubuntu 14.04 with basic configuration settings
    - Installed Hive, Pig, HBase, Sqoop, Flume, Oozie, Spark program to interact with HDFS from local OS for storage and processing operations
- Application of Map-Reduce
    - Developed Java programs for certain advanced concepts of map reduce namely custom writables, custom partitioners, and Map Side and Reduce Side Joins
- Full working knowledge with Pig, Hive, HBase and Oozie
    - Installation and executing Application of Pig and Hive queries to solve problems earlier dealt with Map-reduce programs
    - Installation and Interaction to HBase using command line interface and JAVA API's
    - Understanding of Workflow and Coordinator Engine in Oozie
- Live Projects
    - Importing RDBMS data into HDFS using Sqoop and running Hive queries on it using shell scripting
    - Importing 'Twit' data into HBase table and using HBase as a shared resource. Applying Map-Reduce program to imported datasets to get required results

- Involved in all the stages of the software development cycle, namely design, coding, debugging, testing and maintenance of the application.

- Capable of picking up new technologies with a minimum learning curve.

- Good team player, strong interpersonal and communication skills combined with self- motivation initiative accompanied with an out of the box thinking

Educational Qualifications

- Certified Professional in BigData and Hadoop in 2 0 1 5 .
- Diploma of Computer Science in Information Systems from NIIT with an aggregate of above 90%
- Microsoft Certified Product Specialist : 1997
- Higher Secondary Education: 1989 : Maharashtra Board, Mumbai
- I.C.S.E : 1987: New Delhi

Technical Skills

Technologies	:	Apache Hadoop 2.6.0, Cloudera
Hadoop Ecosystem	:	YARN, Hive, Pig, MapReduce, Oozie, SPARK, Sqoop and Flume.
Programming	:	Core JAVA, Scala, Visual Basic, C++
Database	:	MS SQL Server, MySQL, HBase, Cassandra, MongoDB Operating
Systems	:	Ubuntu 14.04, CentOS 6.3

Professional Career

- **At present - Training in Big Data and Hadoop**
  - Training over 1500+ hours to over 2000+ experienced professionals and I.T. Freshers both classroom based and through webinars.
  - Conducted corporate training for highly experienced IT professionals. Also conducted workshops in many Engineering colleges
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- **On going Training and Training Conducted**
- Classroom Based Training - S P Jain Institute of Global Management, Mumbai Classroom Based Training - NIIT on Pan India basis through their own Studio Webinar based training - Skillspeed, Bangalore
- Webinar based training - Simplilearn, Bangalore Corporate client - Continuum Managed Services, Mumbai
- Corporate client - Tata Communications Ltd, Mumbai and Pune Corporate client - Mphasis, Pune, Bangalore and Chennai Corporate client - IBM, Pune
- Corporate client - Sapient, Gurgoan and Bangalore Corporate client - Oracle, Mumbai, Pune and Bangalore Corporate client - Dell International Services, Bangalore Techdata, Mumbai, Technosoft Consultancy, Mumbai Crystal Solutions, Mumbai,
- Corporate Bridge Academy, Mumbai, Jaro Education, Mumbai
- Don Bosco Engg College, K. C. College and Vivekananda Education Society, Mumbai January 2015– Till date (Full Time)
- Provide training on Big Data / Hadoop framework with 70% hands on.
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- **Designed course material for the following topics covered.**
  - Big Data Fundamentals
  - HDFS
  - MRv2 - YARN
  - MapReduce Programming   in Java
  - Hive
  - Pig Latin
  - Data Ingestion Tools - Sqoop and Flume
  - HBase and Cassandra- NoSQL
  - Oozie - Workflow of Hadoop process
- **Live projects on above mentioned topic.**

- **IT Head**
  - Himalaya Fibres Pvt. Ltd.,
  - September 2005 – December 2014   IT Head
  - "Indian Manufacturing Unit for Polyester Staple Fibre in Baddi, Himachal   Pradesh"
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  - As an IT Head, managed IT operations for a company of a manufacturing   unit.
  - Streamlined IT operations and data spanning across 7 departments - Production, Sales, Purchase, Inventory, Finance,   Accounts and In-house Employees
  - Developed and managed application portfolios for each department and attained all IT service level agreements for the user community within the   organization.
  - Data Analysis to help drive decision making for Senior   Management
  - Formulated and deployed long-term strategic plans for acquiring and enabling efficient and cost-effective information processing and communication   technologies.
  - Managed IT department operational and strategic planning, including business requirements, project planning, organizing and negotiating the allocation of resources.
  - Authorize and oversee the deployment, monitoring, maintenance, development, and support of all hardware and software based on department needs.
  - Develop and review budgets for and from IT department divisions and ensure they comply with stated goals, guidelines, and objectives.
  - Established and maintained regular communications with the organization's executives, departments CIO, department heads, and end users regarding pertinent IT activities.

- **Business/Software Consultant**
  - June 2001 – August 2005 Business/Software Consultant
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  - Leveraged IT experience in the Manufacturing business world to build product domain knowledge. Products dealt with are Recycled Polyester Staple Fibre.
  - As an independent consultant, worked with multiple vendors and customers to maintain the supply chain management system. Procure raw materials as per the business need and ensured timely delivery of the materials to the customers.
  - Business Trip to China and Hong Kong between 2001 to 2005 for International Trade and procurement of raw material and sales of finished products
  - Negotiated and maintained cordial relationship with ~4 overseas and ~20 domestic buyers with ~25 Indian suppliers

- **Business/Software Consultant in USA Nirvann Corp. based in USA**
  - April 1999 – May 2001   Business/Software Consultant "Consulting IT company based in New Jersey"
  - Analysis, Design and Solution programming for Material Import Application for an end customer – 'Niki International Inc.'. This was programmed in VB and SQL   Server
  - Led a team of software professionals for an end to end Online Shopping portal for the customer – 'Home Atrium Inc.'
  - Worked as a Data Mining expert to analyze the data for a Retail client, 'RightLinx Inc.' with 100+ stores of LOWES in North Carolina. Leveraged COGNOS tool for business data reporting to the stakeholders.

- **Business/Software Consultant BinnyLimited :   Textile company**
  - Twinkle Plantations Ltd. : Financial company
  - Free India Assurance Services Ltd. :Accidental Insurance and Mediclaim Software September 1996 – Mar 1999   Software Engineer/Analyst
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  - As a Software Engineer, developed end to end software for Textile processing system   and Inventory Control Application for Binny Limited, 150 year old company specialized in Fabric Manufacturing. It was a 6 month assignment developed in Sybase and Visual FoxPro
  - Worked independently on a Plantation/Finance Software for Twinkle Plantations, the only plantation company to receive the highest DCR INDIA rating for accepting Fixed Deposits in Agro Industry. This was a 9 month project developed in Novell Netware and FoxPro
  - Developed an application for Accidental Insurance and Mediclaim for Free India Assurance Services. They are tied up with New India Assurance and National Insurance Company.