Contact

Address:
No:8,D-Main,East End
Jayanagar 9th block
Bangalore
Karnataka State
India-560069
Tel : 091-9972113222
E-Mail : shetty.deepesh412@gmail.com
Date of birth: 30 January 1990

Shetty Deepesh Sadananda

Profile (2 Years' 5 Months Experience)

Objective: To obtain a challenging position in the IT industry through which my abilities and experience can be utilized fully, thereby improving myself along with the organization. Mentoring and interpersonal skills; believe in leading by doing, Constantly learning and leveraging emerging technologies.

Key Skills

Proficient or familiar with a vast array of programming languages, concepts and technologies, including:

- **Domains**: Big Data, Analytics, NoSQL, Cloud (AWS, Google App Engine)
- **Programming Language:** Core Java
- **Scripting:** Shell, Pig Latin
- **Databases**: SAP HANA, Hive, MYSQL, Google Cloud-SQL, Mongo DB, Google Data Store
- **Framework**: Hadoop
- **Operating Systems**: Windows, Linux , AIX
- **Other tools** :SAP Net Weaver, Ozzie, Eclipse

Awards and Recognition

- **Elite Club Member** for year 2014(Employee of the year)
- **Tech Ustav - Winner**- November 2012(SPAN InfoTech India Pvt. Ltd.)
- **Spot Award**- January 2013(SPAN InfoTech India Pvt. Ltd.)
- **Spot Award**- August 2013(SPAN InfoTech India Pvt. Ltd.)
- **Tech Ustav – Runner-Up**- September 2012(SPAN InfoTech India Pvt. Ltd.)

Research and Publication

1. Worked on Machine Learning and Computer Systems in NMAM Institute of Technology, Nitte.

   Research Paper:
   Analyzing the Performance of Prefetching Mechanisms on a Single Machine.
   Presented a paper in National Conference on Emerging trends in Computer Engineering & Technologies.

2. Worked on Visual Cryptography and Image Processing in NMAM Institute of Technology, Nitte.

   Research Paper:
   Image Encryption and Decryption Using Image Gradient Technique
   Published in International Journal of Emerging Technology and Advanced Engineering
   (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 1, January 2013)

Work Experience

SPAN InfoTech India Pvt. Ltd.

Project: Compliance Audit as a Service - Google App Engine R&D
Duration: Feb, 2013 to Nov 2013
Role: Cloud Developer
Team Size: 6

Technologies: Java, Google App Engine**,** Cloud SQL

Summary: This product Is a Fully Automated Audit Management System built on top of Google Cloud using Java. This application gives a flexibility to design any kind audit template, define your own workflow by using custom workflow engine and managing details about your organization deployed on Google App Engine.

Responsibilities:

- Leading a team of 4 to complete this project.
- Writing custom modules to access Google services.
- Performance tuning both on application and database.

Project: NotionViz-Sentimental Analysis Tool
Duration: December 2013- Present
Role – Big Data Developer
Team Size – 5

Technologies – AWS, Hadoop, Hive, Java, Mahout, MySQL, H-base
Summary:

NotionViz is a web-application through which we configure the companies Facebook and Twitter related information. The configuration related data will be used to connect to their respective social network accounts (Facebook and twitter) and the data fetched for analysis though Machine Learning Engine. This web module also includes a report screen which will display the reports fetched by the reporting tool. Finally moving this application in Amazon's AWS and Google App Engine.

Responsibilities:

- Collection of data from social media sites.
- Transformation of data, merging various sources data.
- Text analytics for identifying sentiments.
- Automating the sentiment analysis process.
- On demand data collection.
- Daily Health Checks of Hadoop Clusters
- Migrating Current Application into AWS and Google App Engine

Key Challenges:

- Using NPL for pre-data processing
- Handling Frequent API changes.
- Iterative Comments collection.
- Hive and Qlikview connectivity.
- Optimizing text analytics.

Main Contribution:

- Hosted on Cloud : Amazon EC2, Google Cloud
- Worked on sentiment analysis backend process development.
- Worked on machine learning algorithms for prediction of sentiment.
- Added WorldNet library to optimize model using synonyms.
- Used Google prediction API as one of the alternative.

Project: Migration of Delta File Processing from Main Frame to Hadoop

Duration: March 2014-May 2014

Role – Big Data Developer.

Team Size – 5

Technologies – Hadoop, Hive, Java, H-base, Map Reduce, Impala, Hive and Ozzie.

Summary:

This project was migration of delta file processing from Main Frame systems to Hadoop. This system will automatically FTP the huge carrier files from EDI server to HDFS. A Map Reduce job is executed taking previous generation file and comparing with the new file recently imported into HDFS. Different types Main Frame files where considered like Fixed Length, Delimited, EBCIDIC, Variable Length and Binary. The layout for each carrier is stored in HBASE and Accessed by Map Reduce Job that generates a delta file at end of this job. This delta file is the taken by informatica for further processing.

Responsibilities:

- Coded Map Reduce Program that takes a fixed length file or Delimited and generates a delta file.
- Created a Java Program that converts a Delimited file in Fixed Length.
- Build the HBASE table to store the carrier layout.
- Created an Oozie flow to Schedule these different jobs in one workflow.
- Optimization of the Map Reduce Code.
- Helped team in Hadoop Admin related work.

Key Challenges:

- Understanding the delta files generation process in main frame.
- Understanding different file formats used in process.
- Handle large files to generate the delta.

Main Contribution:

- Handled the entire task related to Map Reduce.
- Optimizing the code to handle memory and time related issues.

Project: Invoice Generation Using Amazon Elastic MapReduce

Duration: May 2014

Role – Big Data Developer.

Team Size – 2

Technologies – Amazon Elastic MapReduce, Amazon S3 and Java

Summary:

This is a proof of concept developed to gather payments files from different vendors and generate an invoice on several aggregation attributes.

Bench Marking:

Total Data Size :1.3 TB
Number of Records Processed:20 Billion

Responsibilities:

- Wrote a MapReduce program to generates these aggregation results
- Optimized the program by adding combiner
- Monitor instances on AWS

Challenges:

- Huge data coming from multiple sources/files
- Execution time for generating an invoice
- Multiple combination of aggregation keys

Certifications

- M101P: Mongo DB for Developers
- M102: Mongo DB for DBA's

Education

Bachelor in Computer Science Engineering (2009 to 2012)

NMAMIT Institute Of Technology
Nitte, Udupi District- 574 110
Karnataka- India.
Secured 7.97/10, Awarded by Visvesvaraya Technological University, Belgaum

Diploma in Computer Science and Engineering (2007 to 2009)

N.R.A.M Polytechnic, Nitte Udupi, India
Karnataka- India
Secured 65.00%, Awarded by Board of technical education, Bangalore.

Secondary school leaving certificate(2005 to 2006)

Christian High School, Udupi Karnataka- India

Secured 65.12%, awarded by Karnataka Secondary Education Examination Board (KSEEB)