JESSICA CLAIRE

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ACCOMPLISHMENTS

- Experience in Elastic Search Engine Lucene/Index based search, ELK log analytics tool, Elastic Search, Log Stash, Kibana Experienced in using Kafka/ZooKeeper as a distributed publisher-subscriber messaging system Involved in implementing data cleansing flow using Alteryx Design and implemented REST Web Services using Spring MVC which act as a middle layer to communicate between MongoDB and web application Used Memcached which advocates web app nodes to be independent and self-sufficient (Shared Nothing Architecture) Proficient in JAVA, Object Oriented Methodologies Good hands on experience working with Spring Data template, native Mongo JavaScript and shell commands Worked on InfiniDB to enable performance-intensive analytics on social media posts.
- Hands on experience in NoSQL technology like MongoDB (CRUD Ops, Indexing, Replication, Aggregation, Sharding, various ops manager activity) Experience in using Alchemy API to calculate the sentiment of the Social Media Posts.
- Hands on experience of writing JSON Rest services and creating batch job using Mule ESB Worked on Quartz scheduler using spring batch to schedule the data processing work flows in Mule ESB Involved in all phases of software life cycle analysis, designing, development, testing, installing, configuring and maintaining applications Hands on experience in analyzing, optimizing, and tuning the performance of the application using Java Profiler (Yourkit, JAMon) Experience in delivering project using Agile Methodology Experience in a public cloud like Amazon (AWS EC2) RDBMS experience includes Oracle, DB2, PostgreSQL, MySQL and programming using PL/SQL, SQL Experience in automation and integration tool like Chef, Jenkins Good understanding in writing Python Scripts and Shell scripts Hands on experience in log monitoring tool like Splunk, Graylog.

PROFESSIONAL SUMMARY

Over 10 Years of extensive experience in JAVA/J2EE including 3 years in Big Data and Analytics *Experience in full text search and feature implementation with multi-tenancy using Elastic search and Java ES API *Created data acquisition flow using Alteryx Tool to download raw JSON file from AWS S3 and ingested it in a MongoDB.

SKILLS

- JAVA: J2SE: OOD, Threads, Collection, Junit, log4j, JAVA Mail
- J2EE: Spring MVC, Struts MVC, JDBC, Jackson, Tomcat, JSP, Servlet, Memcache
- Hadoop Ecosystem: Kafka, Zookeeper, MapReduce
- Web Services: Spring REST, Apache AXIS, Mule ESB REST
- SQL DB: Oracle, MySQL, PostgreSQL, DB2, InfiniDB
- NoSQL DB: MongoDB, Elasticsearch
- Web Technology: CSS, Java Script, JQuery, HTML, AJAX, Free marker template
- Tools: ANT, Maven, GIT, JMeter, Chef, Jenkins, LogStash, Kibana, Chef, Sensu
- Methodology: Waterfall, Agile (Rally)
- OS: Linux (Centos, Ubuntu), Windows

WORK HISTORY

MongoDB DBA, 08/2016 - Present
Two95 International Inc. – Phoenix, AZ
- A360 is a collaboration tool that helps engineers and designers view, share, review, and find 2D and 3D design and project files in one central workspace.
- Keep your projects, files, and teams up to date, whether you're at the office or in the field.
- A PAAS based application called "Nitrogen" is being used to store all files/images/metadata which uses MongoDB as a primary data source.
- Responsibilities: Experience in performing Mongo DBA operational routine MMS configuration experience Configuring and monitoring replica sets Optimizing database/query performance Maintain MongoDB instances and infrastructure for a massive, high-throughput transactional system Troubleshoot performance optimization in MongoDB Backup and restore procedures for MongoDB databases using various backup strategies Participate in an on-call rotation In depth experience with MongoDB, replica sets, shards, and distributed databases Update and maintain MongoDB Chef for configuration changes Used Sensu for alerting mechanism Created scripts to identify missing Config entries, enable/disable balancer during balancer window Optimized Backup scripts Managed 9 Shards having more than 10TB of data Log monitoring and in depth analysis using Splunk.

Bigdata ETL developer, 02/2015 - 08/2016
Cognizant Technology Solutions – Warrensville Heights, OH
- B2B-Signals is a next gen intelligence platform to achieve Faster, Scalable, SaaS based web based lead platform.
- As a part of the development we are doing data extraction/text mining, automated ontology building, creating data repository and building BI visualization.
- Responsibilities: Implemented utility to download JSON files from AWS S3 buckets to MongoDB Design and Implemented REST web services (Spring, JAX-RS, Jersey) which adhere to SOA (Service Oriented Architecture).
- Through which each ETL pipeline process communicates with each other.
- Implemented completion analyzer in Elastic search for faster auto-suggest Integrated Kibana with Elasticsearch to analyze indexed data and get insight into the data in visual forms.
- Developed Map Reduce jobs in Python for data cleaning and data processing Responsible for continuous monitoring and managing Elastic cluster using Marvel Filtrating using Mongo Projection aggregation Written jobs of cleansing and normalizing contacts fetched from LinkedIn Association and Graph modeling of the contacts with the company using Alteryx flows Responsible for indexing processed data to MongoDB and Elastic Search to be used in WEB APP.
- Performance Tuning of the ETL steps (Java/JS) JavaScript optimization to load small sized Mongo collection in memory Performance Tuning of Elastic Search Indexing Created batch processing to enable parallelization Optimized code to index parallel using MongoDB Bulk API (Insert/Update) Used JQuery/D3.js to implement Function Org chart which describes organization hierarchy in form of sun burst chart.
- Peer code review using fabricator Analysis of the team code using Sonar Lint Used GIT to create and maintain code repository and to work effectively with team sitting at different location.
- Used Memcached as a Cache layer to store user information to improve web app response.
- Used Chef to automate deployment of property files on all Processing servers and Orchestrator server Worked on creating Python script to insert/update data in Elasticsearch Used Python script to validate output of ETL steps Used Java Executor Framework to implement multithreading while indexing data into Elasticsearch Comprehensive knowledge and experience in normalization/de-normalization, data extraction, data cleaning Log monitoring and in depth analysis using Graylog Environment: JAVA, Elastic Search, Kibana, Log Stash, MongoDB, Spring Mongo template, GIT, Spring MVC, REST services, Alteryx, JavaScript/JQuery, IntelliJ, Jenkins, Chef, Junit, Log4J, Phabricator, Sonar Lint, Graylog Client: American Big Data www.ambigdata.com.

Big data developer, 01/2013 - 01/2015
- A Social Media tool provides sentiment and trending of keywords.
- It provides ability to user to search any keywords by specifying criteria and get posts, user detail, source information etc.
- relevance with that given keyword.
- It also allows user to monitor sentiment/trending of any keywords of his choice for which system will continuously collect data using batch process and process the data.
- Responsibilities: Participated in the requirement analysis and provide inputs on the technical feasibility.
- Involved in importing the real time posts/tweets from various data source like FB, Twitter, Google Plus to MongoDB using Kafka producer/consumer model.
- Involved in creating Mule ESB layer for the different component of the product Involved in creating Spring Quartz batch program which fetches data from the Social API for a given set of keywords Responsible for integrating different modules like Liferay, MongoDB, Alchemy, InfiniDB using JSON Rest services.
- Peer code review using Sonar code analyzer Automated build deployment using Jenkins Start/Monitoring Data extraction/processing jobs and fixing the blocker issues on priority basis Extensive experience in using MongoDB Bulk JAVA API for insert/update Extensively used Mongo Aggregation API for sentiment analytics Performance Tuning of the application using Java profiler Used Yourkit profile to identify slow methods Optimized Mule flows to use multiple threads using Java Executor Framework Developed and maintain several batch jobs to run automatically depending on business requirements Import and Export JSON data using MognoDB tool mongoimport, mongoexport Built relevancy of data using MongoDB text search functionality Used Shell scripting for Jenkins job automation Performance Tuning of the application using Java profiler Environment: Core JAVA, Mule ESB, REST services, Maven, Tortoise SVN, MongoDB, Alchemy API, InfiniDB, My SQL, Eclipse, D3.js, Jenkins Client: Rite Aid Pharmacy www.riteaid.com.

Java Frontend/Backend developer, 07/2012 - 08/2013
- Portal offers its client's a facility to enroll in different types of programs like Wellness, Pharmacy, Shop, Photo, Load2Card etc.
- It allows user to locate store online and refill his prescriptions online.
- He can also avail different types of benefits under the programs offered by Client.
- User can also purchase medicine products offered by Amazon through his portal account itself.
- Responsibilities: Involved in daily client communications and demoing application to the client on weekly basis.
- Involved in working all the critical fixes that are found in testing.
- Delivered modules that meet budgeted time lines, productivity standards and process standards.
- Visited client in Philadelphia (PA, USA) to understand underlying back-end services of the application and transferred knowledge to the team within short time.
- During onsite visit, was responsible for gathering information about the client's existing back end services and providing daily update to the offshore team Involved in providing solutions to the client for any issues being generated during development of the front-end application to integrating it with the back-end services.
- Environment: Liferay 5.4, Spring MVC Portlets, Freemarker, JSP, Servlets, Java Script, JQuery, AJAX, HTML, Tomcat 6.0, MySQL 5, ANT, Eclipse 3.4, GIT Client: Global Compliance Services, Inc. www.globalcompliance.com.

Java Frontend/Backend developer, 01/2011 - 06/2012
Comcast
- Global Compliance is a leading provider of integrated ethics and compliance solutions.
- Global Compliance (GC) offers its clients a product that integrates LMS administrative functionalities into an already deployed ethics and compliance portal product.
- Product empowers managers to create training programs, assign employees to the programs and track the progress of students against those training programs.
- Involved in development of LMS(Learning Management System) module by creating new portlets using plugin environment.
- Involved in analyzing the requirements, and identified the area where all customization is required.
- Involved in creating roles, assigning permissions to portlets, managing users, mapping roles to user using Liferay control panel.
- Did customization in hook.
- Extensively involved in creating Web services to integrate module with client's portal.
- Used JQuery and Ajax in development of portlets.
- Involved in working all the critical fixes that are found in testing.
- Delivered modules that meet product quality requirements as specified.
- Perform unit testing to meet product quality requirements as specified.
- Environment: Tomcat 6.0, SQL Server DB 2008, Java Script, JQuery, JSTL, AJAX, ANT, Struts 1.3 Portlets, JSP, Servlets, Spring 3.0, Hibernate 3.0, HTML, SOAP services, Eclipse 3.4, SVN, JIRA Client: Birla Sun Life Insurance www.birlasunlife.com Project: RWS - Receipt Writing System.

Java Developer, 04/2009 - 12/2010
- RWS is an application by which agents do the receipting of various policies.
- Different Types of transactions like application entry, edit, upload of data, change for receipt timing at branches etc.
- are done through RWS.
- It also contains master module for giving access rights of various transactions and reports to the different branches.
- It makes the policy taking process fast for the policy holder.
- Responsibilities: Involved in analyzing the requirements, and identified the area where all customization is required.
- Extensively involved in enhancing the application as per requirements.
- Developed application service components and configured beans using Spring IoC, creation of Hibernate mapping files and generation of database schema Preparing technical and functional documents, design and development of the application.
- Deliver programs that meet budgeted timelines, productivity standards and process standards.
- Configured Hibernate framework with Spring MVC to provide more modularity in terms of DAO layer implementation Implemented an asynchronous, AJAX (JQuery) based rich client to improve customer experience Environment: JAVA, Spring MVC, Hibernate, JSP, Servlet, Oracle 9i, DB2, Eclipse 3, Tomcat 6, JQueryd Project: Spool files generation of Notices and Letters.

Java Developer, 10/2007 - 03/2009
- As the printing of letters and notices is being done by Third Party, we are providing spool files of all letters/notices to them.
- Spool file is a text file which is generated as an output of the program.
- It contains details for each policy in single line separated by pipeline character.
- Spool file is being generated for various letters like Policy Account Statement, Reminder Notice, Lapsation Notice, Pending Policy Letter, Renewal Letter, Overdue Letter etc.
- Responsibilities: Involved in analyzing the requirements, designing and developing the application.
- Have used LOG4j for debugging purpose.
- Involved in unit testing and critical bug fixing.
- I-Engineering Software Pvt.
- Ltd.
- Client: J M Wilson, Concorde General Agency, Insurance House, American Underwriting Managers, Distal Group (DART), USA.

Software Engineer, 12/2005 - 09/2007
- This is an online web based application providing insurance to the Customers through Agents which are the end-users of the application hooked to particular Insurance Agency and provider's on-line quotation.
- Responsibilities: Deliver programs that meet budgeted time-lines, productivity standards and process Have used LOG4j for debugging purpose.
- Responsible for writing SQL Queries.
- Involved in writing POJOs and have used Java Script to handle client side validation.
- Involved in unit testing and critical bug fixing.
- www.cignex.com 6 www.cignex.com 6 www.cignex.com 6 www.cignex.com 6.

EDUCATION

Bachelor of Science: Computer Science, 2005
Computer Science

B.V.M
Sardar Patel University - GJ
SCJP 5 *MongoDB Developer (M101J - 10gen education)