JESSICA CLAIRE

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SUMMARY

10 years of overall experience working as technical lead, architect, subject matter experts and developer to deliver value to the business Experience in working with data warehouses. Implementing and developing solutions enabling Development and Operations teams to build, deploy, monitor and test applications and environments. Experience in the design and implementation of fully automated Continuous Integration, Continuous Delivery, Continuous Deployment pipelines and DevOps processes. Experience in AGILE Scrum environment based project development. In depth experience working on cloud computing Infrastructure. Experience in Big Data Analysis, Data management, Data migration, Data governance and handling data warehouse.

SKILLS

- NoSQL DB: Dynamo DB
- RDBMS: Oracle 9i/10g, Teradata
- Big Data: Spark, Elasticsearch, HIVE, pig, Apache NiFi, Kafka
- OS: UNIX/Solaris, AIX, Windows
- Deployment Tools: Ansible, Jenkins, Terraform
- ETL Tools: Informatica 8.6
- Management Tools: Jira, Confluence
- Version Control: Visual SourceSafe, CVS, GitHub

EXPERIENCE

Senior DevOps Engineer, 01/2011 - Current
Rtx – Allen, TX
- Expertise in creating AWS infrastructure from scratch like VPC, private subnet, NACL, Security rules, VPC peering
- Worked on Jenkins, Ansible playbook, Cloud formation templates, Docker
- Hands on experience in handling critical AWS resources like VPC, EC2, EC2 Container Services, EBS, S3, lambda, Dynamo DB, ELB, Auto Scaling, Route 53, Cloud Watch, Cloud Trail, IAM, SQS, SNS etc.
- Hands on experience in creating Multi-Region Architecture on AWS
- Expertise in implementing DevOps culture through CICD pipeline for one of stack component automated delivery.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, Git, Docker
- Involved in scaling MVP product to working multinodes architecture.
- Very good experience at Product and production support for elastic stack.
- Designed/Created on demand AWS cloud EMR for Data Analytics and Real time monitoring/alerting Elasticsearch architecture. (web/streaming).
- Experienced in writing python and Unix scripting for administration and automation tasks.
- Very good knowledge in elasticsearch, Spark, Kafka, HIVE, pig Hadoop Big Data technologies.
- Built distributed in-memory applications using Spark and Spark SQL to do analytics efficiently on huge data sets.
- Troubleshoot data issues, validated result sets and implemented process improvements.
- Created functions, stored procedures, Triggers, views using PL/SQL Programming.
- Developed and modified UNIX korn shell scripts to meet the requirements after the system modifications and was also involved in monitoring and maintenance of the batch jobs.
- Participated in Design, Development and Implementation of a Reporting system for Business Management.

Informatica Developer, 06/2010 - 12/2010
Cognizant Technology Solutions – Angier, NC
- Developed logical and physical dimensional data models using ERWIN Designed, developed and improved complex ETL structures to extract transform and load data from multiple data sources into data warehouse and other databases based on business requirements.
- Created reusable Mappings, Mapplet, Transformations and Parameter files for Data Quality Plan Worked with SQL queries.
- Provided Knowledge Transfer to the end users and created extensive documentation on the design, development, implementation, daily loads and process flow of the mappings.
- Schedule and set dependencies for the job on Tidal to automate the daily process as per the business requirement.
- Performance tuning of the Informatica mappings using various components like Parameter files, Variables and Dynamic Cache.
- Involved in logical and physical data models that capture current state/future state data elements and data flows.

ETL Informatica Developer, 06/2009 - 05/2010
Cognizant Technology Solutions – Ann Arbor, MI
- Worked as an ETL developer to implement business logic into ETL and export data into flat files for the business.
- Collaborated with EDW team to understand the mapping document and the extract, transform rules and load ETL process data dictionaries, Metadata descriptions, file layouts and flow diagrams.
- Designed and developed end-to-end ETL process from various source systems to Staging area, from staging to Data Marts.
- Analyzed the source data coming from Oracle, Flat Files, and DB2 coordinated with data warehouse team in developing Dimensional Model
- Implemented parallelism in loads by partitioning workflows using Pipeline, Round- Robin, Hash, Key Range and Pass-through partitions.
- Implemented daily and weekly audit process for the Critical data to ensure Data warehouse is matching with the source systems for critical reporting metrics.
- Performance tuning and Optimization of sessions, mappings, sources and targets, Production support, trouble shooting and solving migration issues, and identifying errors during data loads and transformations.

Project Engineer, 01/2008 - 05/2009
Emcor Group, Inc. – Winston Salem, NC
- Worked as a member or leader of new product development design team. Participation in development of product Specification.
- Good in Create and maintain project schedules and manage project to meet schedules.
- Produced conceptual designs drawings, design reviews meetings, creating detailed design to meet business requirement.
- Worked with product process development and sales team on the technical aspects of the new product line. Provide periodic report of project status and stay abreast of development in technical field to maintain technical knowledge.

EDUCATION AND TRAINING

Master of Science: Mechanical Engineering, 08/2007
Lamar University - Beaumont, TX