

JESSICA CLAIRE

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SUMMARY

- Software Developer specialized in MarkLogic and Java
- Experienced in design and development of MarkLogic, Java , Xquery and related technologies over Client Server platforms.
- Experienced in Service Oriented Architecture(SOA) and building REST and SOAP web services using MarkLogic and Java.
- Experienced in building applications based on large datasets.
- Well versed with Agile Model.
- Delivered applications spanning complete SDLC.
- Experienced working in offshore onsite model. and managing offshore teams.

EDUCATION

Bachelor of Technology: Computer Science & Engineering, 2008

Motilal Nehru National Institute of Technology - Allahabad

GPA 7.9/10

Courses Undertaken-

Data Structures, Database Systems , Computer Networking, Systems Programming , Unix & shell scripting

TECHNICAL SKILLS

J2EE technologies	Core Java, Java Servlets,	4.5
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Multithreading

Internet technologies	HTML, JavaScript, XML	4
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Scripting technologies
Linux shell scripts,
Windows batch scripts

Web Servers	Apache Web Server, Tomcat, Jetty Server
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Databases	MarkLogic, MySql
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Operating Systems	Windows Server, Red Hat Linux
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Configuration Mgt. Tools	Clearcase, Tortoise SVN
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EXPERIENCE

Associate Developer, 05/2011 - 2013

Hcsc – Newkirk, OK

- Working for LexisNexis(Client) and building [Lexis Advance](#) product .
- Lexis Advance is legal online research application that enables law firms to analyze legal content.
- Primary responsibilities include developing xquery and java code to create REST web services interface for Marklogic repository.
- As part of search team I develop code for profilesuite search and alerts functionalities.
- Created shell scripts to automate tasks like forest rebalancing and updating bulk data in Marklogic repository using Corb and Xqsync
- Created LogFinder tool using shell script to search ML Error logs across cluster
- Created utility for doing differential and sync of Marklogic configurations across environments
- Work on MarkLogic and xqueries performance related issues in my modules.
- Key technologies include Marklogic, Xquery, Core Java, Servlets and multithreading, HTTP, HTML , Javascript.
- Developed Internal basic & advanced level certification for MarkLogic technology in Cognizant.

Software Engineer, 06/2010 - 05/2011

Servicenow – Baltimore

- Worked for Elsevier(Client) and contributed in implementation & maintenance of [Elsevier Health Connect](#).
- As part of content team developer code for back end search
- Developed xquery modules and maintained Loading System (written in Java) supporting multiple Java web applications in Clustered Environment for Elsevier.
- Created search for mobile app from scratch using Marklogic search:search API.
- Handled MarkLogic related production issues and automated data loading process.

Software Engineer, 04/2010 - 05/2010

Servicenow – Hartford

- Created social network applications using Python , Google App Engine ,Object Oriented Javascript and Opensocial API.

Software Engineer, 06/2008 - 03/2010

Servicenow – Kansas City

- Worked in consulting role on multiple projects for customers like John Wiley, Zinio, Thetus, Sequoia ,Mayo Clinic, American Society of Agronomy , LDS church for MarkLogic(client).
- Responsibilities included analyzing requirements , designing and developing xquery code, setting up MarkLogic environment and loading transformed content into MarkLogic repository.

John Wiley Custom Select-

- Worked on creating UI.
- Created search functionality using lib-search module. Upgraded code to use MarkLogic search:search API in later version.
- Implemented online custom content generation using Adlib Server for pdf stitching.

Thetus (POC) -

- Built content ingestion and enrichment system on top of MarkLogic.
- Implemented Geospatial search on 20 yrs. of NewYork Times data.
- The work included enriching data with google geocoding api and MarkLogic entity enrichment.
- Built geospatial search UI using google maps api.
- Built web services to search and access data.
- Tools Used- Recordloader, Corb

Zinio -

- Created Restful Web services to transform and ingest content in MarkLogic database and access.
- Created pipeline to ingest content from ePub & Prism format.
- Used JNDL DTD validation

American Society of Agronomy -

- Wrote xquery modules to transform the content and built REST search API in xquery.
- Used MarkLogic Content Processing Framework to create workflow for content ingestion.
- Automated data loading using linux shell scripts.

• Automated [CrossREF](#) DOI creation stuff.

Sequoia -

- The application enables user to generate reports and packages using the web browser.

• Used MLJAM and Antenna house for XSLFO-PDF conversion.

• Worked on improving functionality of application.

Mayo Clinic -

- Worked on enhancing search functionality.
- The application enables user to load the 2007 office word documents into Marklogic and enable them to create custom word documents from existing content online.

• Used RecordLoader for Loading.

Tools Used:

Recordloader, Corb , Apache Tomcat, MLJAM, Apache Web Server, Adlib server, SVN, TinyMce Editor , JNDL DTD Schema validation ,

XqSync , CVS , Eclipse , Apache Ant

Hands on Experience on Following MarkLogic Features-

- Clustering
- Content Processing Framework
- Geospatial Search(incuding Google APIs for Geocoding and Reverse Geocoding)
- Entity Enrichment
- Faceted Search
- XML Transformation(eg- Knowledge of various formats like Prism, NLM Journal Publishing Schema, DCML , Epub , Docbook , SGML)
- Schema Validation
- Triggers
- Library Services(Document Versioning)
- URL Rewriting
- Alerting (Reverse Query)
- Xquery Code Profiling
- Bulk data update and copying using CORB and XqSync
- MarkLogic configurations
- Forest rebalancing
- Scripting MarkLogic Admin tasks