Mohamed K.
Senior XSLT Developer

SUMMARY

- 12+ years of experience in IT - 10+ years of experience with XSLT - Writing, testing and maintaining the XSLT code that applies some filtration and conditions on XML - Converting IATA NDC Standard XML Content format into IATA NDC Standard XML format using XSLT - Familiar with many processing engines like Saxon (Java) - libxslt (C) - Python's package - Upper-intermediate English - Available ASAP

TECHNICAL SKILLS

Main Technical Skills	Python, XML, XSLT (10 yr.)
Programming Languages	C#, Java, JavaScript, Python
Python Libraries and Tools	Beautiful Soup, NumPy, Pandas, Scrapy
Python Frameworks	Flask
Java Libraries and Tools	JSON
AI & Machine Learning	NumPy
.NET Platform	Visual Basic .NET
Data Analysis and Visualization Technologies	Pandas
Databases & Management Systems / ORM	Microsoft SQL Server
UI Frameworks, Libraries, and Browsers	CSS, HTML, XPATH, XSLT (10 yr.)
Cloud Platforms, Services & Computing	AWS
Amazon Web Services	AWS Lambda
SDK / API and Integrations	Google AutoML, Python Requests Library
Scripting and Command Line Interfaces	Regexp
QA, Test Automation, Security	Selenium Webdriver
	SFTP

Mail / Network Protocols / Data transfer	
File Systems, Storage	XML
Other Technical Skills	CAT Tools, IATA NDC Standard XML, JATS XML, Java Saxon Parser, libxslt, Schematron, SOAP XML, SVG, XSD

EXPERIENCE

Consulting company

2014-Present

Developing utilities to convert SOAP XML Content format into SOAP XML format using XSLT for SAP HANA.

Workflows implemented - XML to XML Conversion.

Responsibility:

- Write, test and maintain XSLT code that applies some filtration and conditions on XML

WiFi connection project

2017-2019

Developing utilities to convert IATA NDC Standard XML Content format into IATA NDC Standard XML format using XSLT.

Workflows implemented - XML to XML Conversion.

Responsibility:

- Write, test and maintain XSLT code that applies some filtration, mapping and conditions on XML

FHX pty

2019-2020

XML Transformations using XSLT.

Workflows implemented - XML to XML Conversion.

Responsibility:

- Write, test and maintain XSLT & Schematron code that apply some filtration, mapping and conditions on XML and validate the output XML

European Proceedings, part-time

2017-Present

Description: Convert docx format into JATS XML & HTML.

Workflows implemented - extract docx into XML, then convert the XML into JATS XML, then convert the JATS XML into HTML.

Responsibility:

- Write, test and maintain XSLT code that applies mapping on XML and output JATS XML & HTML

Senior Python Developer

2020 - Present

Responsibility:

- Writing reusable, testable, and efficient code help design and implement functional requirements
- Build efficient back-end features in Python Integrate front-end components into applications
- Manage testing and bug fixes
- Prepare technical documentation Collaborate with UX/UI designers to implement design into the code
- Coach junior team members Implement software enhancements and suggest improvements

Senior Document Engineer

2019 - Present

Responsibility:

- Create and update the tools used by the Content Unit in a way that ensures avoiding human errors as much as possible and maintaining consistency and smoothing the workflow.
- Develop new options and features in order to have a competitive advantage over other competitors.
- Receive all sorts of requests from the information systems coordinator to start working on them along with the team members.
- Provide consultation to the Document Engineering team whenever needed.

Senior Document Engineer

2011 - 2019

Responsibility:

- Communicate the different requirements needed, to be coded by the software developers based on business needs analysis.
- Develop new options and features in order to have a competitive advantage over other publishers.
- Provide consultation to the Document Engineering team whenever needed.

Localization Engineer

2011 - 2011

Responsibility:

- Responsible for all needed preparation and conversion for localization tasks.
- Extract the text to the translator using CAT Tools.
- Creating Macros on MS Office. Make the Conversion back after the Translation Process.

Data Entry

2010 - 2011

Responsibility:

- Making all required reports about productivity & Efficiency.
- Responsible for Retail Key Figure Analysis (REKA) Report.
- Working with MS EXCEL.

PROJECTS

AWS LAMBDA - FILES PROCESSING

2020

Description: Using AWS Lambda serverless to process XML files and create localization VTT for the audios.

Technologies: Python, AWS Lambda API

GOOGLE TRANSLATE AUTO ML

2020

Description: Using Google Machine Learning to train a custom model for translation.

Technologies: Python, Google AutoML API

ADS. CRAWLER

2019

Description: Own Project. Create Crawler to get advertisements from many websites.

Technologies: Python, Scrapy, BeautifulSoup

EMAILS HUNTER

2019

Description: Own Project. Develop a program that can scrap all contact emails from any website and validate it.

Technologies: Python, Requests

FACEBOOK SCRAPER

2018

Description: Own Project. Develop a program that can scrap any data from Facebook like (profiles, posts, events, friends, photos, etc)

Technologies: Python, Requests, Selenium

JATS2HTML

2016

Description: A tool to generate well-formed HTML from JATS XML

Technologies: XSLT, XML, Python

XSLT Freelance Experience

2011-2016

Description: Implementing different projects with XSLT/XML

EDUCATION

Bachelor's degree in Computer Science EL-Shorouk Academy, Cairo

2005 - 2009

CERTIFICATES

- Microsoft Certified Professional Developer "MCPD 2008" for web Mastering C#
- Art Of Thinking Workshop
- Tropism Workshop 'Ability to work in a group according to job requirements
- ICDL Certificate.