

Hiring software engineer as easy as calling a taxi.

# Mohamed K.

## 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

### SKILLS

<b>Main Technical Skills</b>	Python, XML, XSLT (10 yr.)
<b>Programming Languages</b>	C#, Java, JavaScript, Python
<b>AI &amp; Machine Learning</b>	NumPy
<b>Python Libraries and Tools</b>	Beautiful Soup, NumPy, Pandas, Scrapy
<b>UI Frameworks, Libraries, and Browsers</b>	CSS, HTML, XML, XPATH, XSLT (10 yr.)
<b>Python Frameworks</b>	Flask
<b>Java Libraries and Tools</b>	JSON
<b>.NET Platform</b>	Visual Basic .NET
<b>Databases &amp; Management Systems / ORM</b>	Microsoft SQL Server
<b>Cloud Platforms, Services &amp; Computing</b>	AWS
<b>Amazon Web Services</b>	AWS Lambda
<b>SDK / API and Integrations</b>	Google AutoML

<b>Scripting and Command Line Interfaces</b>	Regexp
<b>QA, Test Automation, Security</b>	Selenium Webdriver
<b>Mail / Network Protocols / Data transfer</b>	SFTP
<b>Other Technical Skills</b>	CAT Tools, IATA NDC Standard XML, JATS XML, Java Saxon Parser, libxslt, Python Requests Library, 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.

