

# Mohamed S.

## Senior Typescript/.Net Engineer

### SUMMARY

- Available to work in the EST.
- 7 years of commercial experience with .NET
- 3+ years of commercial experience with Typescript and Angular
- 3+ years of experience with PHP
- 12 years of commercial experience with XSLT and XML
- Converting JATS XML files to HTML using XSLT transformation
- Converting XHTML to HTML5 and including SVG tags instead of IMG tags
- Converting JATS XML to IDML
- Converting XML files to HTML
- Upper-Intermediate English
- Available ASAP

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	XSLT (12 yr.), ASP.NET (7 yr.), Angular (3 yr.), XML (12 yr.), TypeScript (3 yr.)
<b>Programming Languages</b>	C#, Java, JavaScript, PHP (3 yr.), Python, TypeScript (3 yr.), VBA
<b>JavaScript Frameworks</b>	Angular (3 yr.), jQuery, Node.js
<b>.NET Platform</b>	ASP.NET (7 yr.), .NET, .NET Core, VBA
<b>UI Frameworks, Libraries, and Browsers</b>	CSS, HTML, HTML5, jQuery, XHTML, XML (12 yr.), XPATH, XSLT (12 yr.)
<b>Java Libraries and Tools</b>	JSON
<b>Databases &amp; Management Systems / ORM</b>	AWS DynamoDB, Cassandra, Microsoft SQL Server, MySQL, PostgreSQL
<b>Amazon Web Services</b>	AWS DynamoDB, AWS Lambda, AWS S3, AWS SNS, AWS SQS
<b>UI/UX/Wireframing</b>	Adobe InCopy, Adobe indesign
<b>Message/Queue/Task Brokers</b>	Kafka
<b>Methodologies, Paradigms and Patterns</b>	microservices architecture



<b>SDK / API and Integrations</b>	RESTful API
<b>Platforms</b>	SAP HANA
<b>Other Technical Skills</b>	DTD, IATA NDC, IDML, JATS XML, LaTeX, Microsoft Orleans, NDC, OBTS, OTAs, SOAP XML, SVG, TypeScript SDK, XSD, XSLT 1.0, XSLT 2.0

## EXPERIENCE

### Senior .Net/Typescript Developer, Cybral

02/2024- Today | Cairo, Egypt

- Developed Scanning Module of Cyber Security Application to Scan Assets/ Devices.
- Developed the online editor application written in TypeScript and Angular
- Achieved a 30% improvement in scanning speed by optimizing queries, implementing concurrency, and enhancing code quality.
- Developed APIs for various system modules and components.
- Integrated cyber security 3rd party applications within the system for the sake of network scanning and guarding.
- Enhanced overall performance and stability of modules hosted on Docker containers and improved inter-module communication.
- Optimized the size of HTTP/WebSocket messages between modules by implementing compression mechanisms to increase stability and performance.

### Senior Software Developer, Peakwork

04/2023 - 01/2024 | Germany

- Developed the single-page applications in Angular.
- Developed many workflows for different Clients' Integrations with the PeakWork PIP system.
- Analyzed and managed the migrations from the old system to the new PIP system.
- Managed testing and bug fixes.
- Code Review.

### Senior .Net Developer, Nagwa Technologies

2020 - 2023 | Cairo, Egypt

#### Responsibilities:

- Developing the main internal system of the organization with Typescript on the front-end , and .Net on the back-end.
- Writing reusable, testable Tools, APIs, and Web applications.
- Writing clear technical documentation.
- Managing Databases.
- Manage testing and bug fixes.
- Supervise the team's junior members.



## **.Net/PHP Developer**

2019 - 2020 | Cairo, Egypt

### **Responsibilities:**

- Writing reusable, testable Tools and APIs.
- Managing Databases.
- Manage testing and bug fixes.

## **XSLT Part-Time Engineer**

2017 - 2020 | Part-Time, AirGateway

### **Job Description:**

- Developing utilities to convert IATA NDC Standard XML Content format.
- Converting AirGateway API requests and responses using XSLT.
- AirGateway API is the ideal solution for OTAs, OBTs to adopt the NDC standard seamlessly.

**Technologies used:** XSLT, XML

## **.Net Developer, Hindawi Publishing Corporation**

2017 - 2019 | Cairo, Egypt

### **Responsibilities:**

- Writing reusable, testable desktop and console applications.
- Revamp the Code of existing Tools.
- Stay up-to-date with the latest technologies available.

## **M&FGenerator - Magazine & Flyers generator**

2017 | Wahran, Algeria

A system that is responsible for generating Advertisement Magazine and Monthly flyers for an Advertisement Organization.

**Technologies:** ASP.NET, XSLT 1.0, XML, ICML, InDesign, JavaScript

## **Senior XSLT Engineer**

2015 - 2017 | Cairo, Egypt

### **Responsibilities:**

- Develop, test, and maintain XSLT files.
- Communicate with content teams and deliver the technical requirements to the software engineers to be coded based on excessive business analysis.
- Develop concepts, products, and solutions based on the company's goals and needs.
- Monitor team metrics and objectives to ensure the meeting of goals



## **XSLT Engineer**

2014 - 2016 | UK

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

**Technologies:** XSLT 1.0, XML

## **XSLT Engineer**

2013 - 2015 | Cairo, Egypt

### **Responsibilities:**

- Develop, test, and maintain XSLT files
- Develop concepts, products, and solutions based on the company's goals and needs.
- Search for the best technologies to be applied in the field of work.

## **Geotechnical Engineer, Arab Center for Engineering Studies (ACES)**

07/2012 - 11/2012 | Doha, Qatar

### **Responsibilities:**

- Gathering and analyzing data.
- Looking at the risk of geological hazards and ensuring any factors affecting engineering works are identified and managed.
- Advising on procedures required and the suitability of construction materials.
- Using specialist computer software to create analytical 2D and 3D models.
- Consulting geological maps and aerial photographs to advise on site selection.

## **PROJECTS**

### **TeXConverter**

A tool to convert JATS formatted XML to LaTeX using XSLT transformation and C#.

**Technologies:** XSLT 1.0, C#

### **XMLToXHTML**

A tool that is responsible for converting JATS XML files to HTML using XSLT transformation

**Technologies:** XSLT 1.0, C#

### **XMLSVG**

A tool that is responsible for converting XHTML to HTML5 and including SVG tags instead of IMG tags

**Technologies:** XSLT 1.0, c#

### **JATSToICML**

A tool is responsible for converting JATS XML to IDML (InCopy Markup Language) so that we can preview the formatted version of the JATS XML in Adobe InCopy and import it to Adobe InDesign.

**Technologies:** XSLT 1.0, XSLT 2.0, c#, javascript, InCopy, InDesign



### **IB - Instance Builder**

A tool that is responsible for converting XML files to HTML and generating localized versions of the original document.

**Technologies:** XSLT 1.0, c#, JAVA

### **CDS - Content Development System**

A Content Management System that is responsible for managing tasks and jobs between team members with different roles.

**Technologies:** ASP.NET Core, PostgreSQL, XSLT 1.0, Angular

### **CI - Curated Items**

A system that is responsible for linking/Delinking learning questions to corresponding lessons, generating random assessments and exams.

**Technologies:** ASP.NET Core, PostgreSQL, MySQL, XSLT 1.0, Typescript

## **EDUCATION**

**Cairo University, Bachelor of Science in Chemistry/Geology (Petroleum Science)**

2007 - 2011 | Cairo, Egypt

