Muhammad Zubair

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LinkedIn: https://www.linkedin.com/in/mohammad-zubair-tahir/ | **Visa:** Full working rights |

Address: Sydney, Australia (Home)

ABOUT ME

Experienced **Full Stack Developer** and **Data Engineer** with a strong focus on **Java Spring Boot** and **Angular**, boasting **6 years** of software development expertise. Proficient in building robust **web applications** with seamless backends using **Java** and dynamic, user-friendly frontends with **Angular** and **Material UI**. Skilled in various web technologies including **Django REST, ASP.NET Web API, JavaScript, React, HTML, CSS, Bootstrap** and **Kendo**. Additionally, adept at data engineering tasks such as **data scraping** (using **Scrapy**), **data extraction, data cleaning** and **visualizations** using **Power BI** and **Tableau**. Well-versed in database management with **MySQL, SQL Server, MySQL Workbench** and **NoSQL** databases like **MongoDB**. Extensive experience with **CI/CD**, cloud services like **AWS**, and version control with **Git,** complementing both Backend and Frontend development skills.

WORK EXPERIENCE

16/12/2019 – 30/05/2024 Lahore, Pakistan
SR. SOFTWARE ENGINEER (TEAM LEAD) ARBISOFT LTD.

- Consult and contribute to project **architecture** design.
- Work on enterprise application (**edX**) and contribute to open-source repositories.
- Review and deploy open-source contributions.
- Manage complete **e-commerce** system of edX/Open edX.
- Design and develop in-house programs/tools using **Python** and **Java**.
- Provide **data-driven** solutions to the fashion/apparel industry, managing a system that **crawls** more than **7000 websites** daily.
- Develop new crawlers and maintain existing ones using Python and the **Scrapy Framework**.
- Maintain crawlers using a system built with **Spring Boot** and **Angular**.
- Work in **Agile** and **Scrum** methodologies/practices.
- Train and **mentor** other Software Engineers.
- **Lead** multiple project **POCs.**
- **Sub-lead** of a team of 20 Engineers
- **Lead** a small team of 5 Engineers.

11/02/2019 – 13/12/2019 Lahore, Pakistan
FULL STACK DEVELOPER TECHLOGIX LTD.

- Consult and contribute to **project architecture** design.
- **Lead Frontend** development using **Angular Framework**, Typescript, Bootstrap, Kendo UI
- Develop **REST API's** in **ASP.NET Web API**.
- Integrate **Kafka** with other big data technologies such as **Hadoop**, **Spark** to enable complex data processing and analytics
- Perform Server deployments and write **SQL** scripts
- Worked in **Agile** and **Scrum** methodologies/practices

20/05/2018 – 10/02/2019 Lahore, Pakistan
FULL STACK DEVELOPER SHARK INNOVATION LABS

- Consult and contribute to project architecture design.
- Develop a **platform for shipping and cargo services**
- Following **microservices architecture**, develop **REST API's** in **Java (Spring Boot, Hibernate)**
- Utilize **Kafka** for efficient and reliable **intercommunication** between microservices
- Develop **Frontend using Angular Framework**, Typescript, Bootstrap, Material UI
- Deploy applications utilizing **AWS stack** (like EC2, S3, IAM, Code Commit), CI/CD pipelines with Github Actions, Bitbucket pipelines, GitLab and Jenkins
- Write **Test Suites** using SOAP UI
- Write **database queries** using MySQL Workbench
- Work in **Agile** and **Scrum** methodologies/practices.

EDUCATION AND TRAINING

01/08/2014 – 20/05/2018 Lahore, Pakistan
B.SC COMPUTER ENGINEERING University of Engineering and Technology

DIGITAL SKILLS

Github | Gitlab | CI/CD using Jenkins | Docker | Bit Bucket | Jira | HTML | CSS | Material UI | Kendo UI | Soap UI | REST APIs | microservices | Linux | kafka | redis | JSON

Programming Languages

Python | C# | Java | Javascript, TypeScript | PHP

Frameworks

Django REST | Flask | Spring Boot | Scrapy | ASP .NET | Codeigniter | React Frame Work | Angular

Databases

PostgreSQL | MySql workbench | SQL Server | MongoDB | MySQL

Data Analytics and Visualization

Splunk | New Relic | Power Query ,Power BI | Tableau | Datadog

PROJECTS

Qafila (Al-Sharki)

Qafila is a **digital freight forwarding service provider** which enables to book, track and manage the cargo in real time. The project comprises of a web application and an android application. As a **full stack developer** I worked on multiple modules of this project. The architecture of this project was based on **microservices**. I solely **developed and designed two microservices** of this project. One for the **tracking of cargo** and the other for **quote and booking process** of cargo. The tools and technologies used in this project are **Spring Boot(Java), Angular7, Material UI**, SOAP UI, source tree, linux, CI/CD, jenkins, jira, redmine, **AWS Services (IAM, S3 bucket, code commit, EC2)**

Link https://www.qafila.com/

E-Stamping (Punjab Government)

A Punjab Government project for **stamp paper issuance**. By this online system the **electronic stamp papers** are issued through designated branches of banks. The stamp duty is calculated on the basis of data provided by the buyer (area of the land, location, covered area, commercial/residential etc.) and DC valuation tables built into the system. The names of the buyer, seller and the person by whom stamp papers are being purchased will be fed into the system along with their CNIC which are verified online from NADRA database in real time. After online verification, the requisite Challan form 32-A is generated based on the provided data, which is then signed by the citizen and the payment is submitted. After this whole process stamp papers are issued to buyer by the respective bank.
I worked on multiple modules of this project. I **designed and developed** a complete module of this system **(Vendor Portal)**.
Also integrated **Kafka** with **Hadoop** and and **Spark** for data processing and analytics to valuable insight from data. The tools and technologies used in this project are
Java Spring Boot, **ASP.NET Web APIs, Angular**, **Javascript**, **Kafka**, **Spark** ajax, MySQL Workbench, kendo UI, Bit bucket, Jira

Link https://es.punjab.gov.pk/

Fashion/Apparel Industry Solution

Provided data-driven solution to the fashion/apparel industry. It is crawling more than 7000 websites on daily basis. My job was to develop new crawlers and maintenance existing web crawlers. Crawlers are specifically designed for clothing websites. Framework used was Scrapy in Python. A web based crawlers maintenance system is built in Spring Boot and Angular.

edX

edX is **massive open online course provider** and partners with the world's leading universities and organizations to offer high-quality online courses to learners across the world. Working as a **Full Stack developer** with edX.

Responsibilities include routine bug fixing, **reviewing PRs** of team members and **open source contributors**, new features implementation etc. As a **team lead** take care of different **management tasks** as well.
Tools and technologies used are **Django**, Node, **React**, Mongo DB, Onelogin, New Relic, Splunk, Datadog, Jenkins, **Docker**, GoCD , Github, Github actions. Opsgenie

Link https://www.edx.org/

● LANGUAGE SKILLS

Mother tongue(s):   **URDU**

Other language(s):   **ENGLISH**