



Muhammad Shahzad

Android Engineer

[Texense.io](#)

TECHNICAL SKILLS

Programming Languages

★★★★★

- Kotlin
- Java
- Swift
- Python
- JavaScript
- TypeScript
- PHP

Frameworks and Libraries

★★★★★

- Jetpack Compose
- Room
- ViewModel
- LiveData
- Node.js

Architectural Patterns

★★★★★

- MVVM (Model-View-ViewModel)
- MVI (Model-View-Intent)
- Clean Architecture

APIs and Integrations

★★★★★

- REST APIs
- Facebook GraphQL
- Instagram API
- WordsAPI
- NewsAPI
- Push Notifications

Databases and Storage

★★★★★

- MySQL
- Android Internal Storage
- Room (for local data storage)

Development Practices

★★★★★

- Android Development
- UI Development
- Code Refactoring

Real-time and Location-Based

Technologies

★★★★★

- Background Location Tracking
- Realtime Location and Ride Status Updates

Passionate about coding and eager to learn more.

EXPERIENCE

Android Developer

Texense | July, 2022 - Present

Working with multiple international clients, mainly:

GeoGuessr

- Working with multiple aspects of GeoGuessr, a 5M+ downloads app
- Responsible for using latest Android trends such as MVVM, MVI with Clean Architecture
- Creating smooth and user-friendly UIs using Jetpack Compose

Jr. Android Developer

Mega Minds Studio | Feb, 2021 - Feb, 2022

- Daily Words - Kotlin - Added support for searching new words using WordsAPI.
- Edge Lighting - Bug fixes and UI improvements.
- Lock Screen Clocks - Refactored legacy code, Improved UI and added Onboarding screens.
- Live Wallpapers - Added support for saving wallpapers in internal memory (supporting Android R).
- Social Media Downloader - Used Facebook GraphQL and Instagram API to download stories and posts. Also supports Authentication with Facebook and Instagram.

Intern - Android Developer

Mega Success Pakistan | Jan, 2021 - Feb, 2021

Islamic Quotes - Android App (Java)

- Created custom backend using MySQL
- Displayed data in app using REST APIs made with PHP
- Accessed Android internal storage for storing data



Arslan Akram

Software Engineer

Texense.io

TECHNICAL SKILLS

Microsoft Azure

★★★★★

- Logic Apps
- Service Bus Queues
- Key Vault
- Application Insights
- Azure SQL
- Azure Storage Services (Azure SQL, Azure Storage)
- Metric Alerts
- Log Analytics
- Azure Functions
- Template deployment
- Azure Administration

Microsoft Power Platform

★★★★★

- Power Apps
- Power Automate (formerly Flows)
- Microsoft Dataverse (formerly CDS)
- Power BI

Languages

★★★★☆

- C#
- C++
- PHP
- JavaScript
- HTML
- CSS

Frameworks

★★★★☆

- ASP.NET Core
- Entity Framework Core
- Fluent API
- Identity Core
- .NET SDK
- Angular

Microsoft BizTalk Server

★★★★☆

- Orchestrations
- Adaptors
- Pipelines
- Maps
- Schemas
- Send Ports
- Receive Ports

Tools

★★★★★

- Visual Studio
- VS Code
- SQL Server Management Studio
- Postman
- Swagger Hub
- Git
- Azure DevOps
- Jira

- Have more than 4 years of hands-on experience with Microsoft-focused Technologies.
- Worked extensively on Integration projects mainly focusing on Microsoft services, Microsoft BizTalk Server, Microsoft Azure, Microsoft Power Apps, Microsoft Power BI, & Azure DevOps.
- Currently working as, a Software Engineer at Texense with a technological focus on Microsoft Technologies.
- Microsoft Certified Power BI Data Analyst Associate (PL-300), Microsoft Certified Azure Security Engineer Associate (AZ-500).

PROJECTS

LIS & EMR Systems: Healthcare Integration Project

Soprius

Worked on a healthcare integration project to connect Soprius Laboratory Information System (LIS) with multiple Electronic Medical Record (EMR) systems. The goal was to enable seamless order and result exchange between Soprius and external EMRs via HL7 messaging standards. My responsibilities include:

- Collaborate with clients to gather and analyze integration requirements
- Design and develop integration workflows using Azure Logic Apps, Mirth Connect
- Consume REST APIs to facilitate communication between Soprius LIS and EMRs
- Conduct end-to-end testing of integration flows to ensure data accuracy and reliability
- Manage deployments across development, staging, and production environments
- Provide post-production support, issue investigation, resolve technical issues

EDI Transactions Integration - BizTalk

Spin Master and Planet Paper

Implemented an **EDI (Electronic Data Interchange) integration** between **Spin Master and Planet Paper** using **BizTalk Server** to automate and streamline supply chain transactions. The project involved handling **EDI 888, 940, 945, 943, and 944** transactions to facilitate seamless order management, warehouse operations, and shipment processing. I worked as a BizTalk developer my responsibilities include:

- Design and develope BizTalk orchestrations, schemas, and maps to process EDI transactions
- Configure EDIReceive and EDISend pipelines to ensure compliance with X12 EDI standards
- Developed **C# components** to perform **SOAP UI calls** for external system communication and integrations.
- Manage EDI validation, error handling, and exception management to ensure accurate data exchange
- Conduct testing and debugging of EDI transactions to ensure successful end-to-end integration
- Provide support and troubleshooting for transaction failures, ensuring minimal downtime

PGP Encryption/Decryption – BizTalk

Toronto Transit Commission (TTC)

Worked on the integration of secure and optimized data exchange solutions for the Toronto Transit Commission (TTC) using Microsoft BizTalk Server. I worked as a BizTalk developer my responsibilities include:

- Design and develope custom BizTalk pipelines using C# and .NET, enabling AES-256 encryption/decryption of XML and flat-file messages to ensure data security and compliance with TTC's enterprise security standards.
- Built custom pipeline components for GZip compression and decompression, reducing message payload size by up to 70%, optimizing network bandwidth and improving transmission speed between internal systems and external partners.
- Utilized S/MIME and X.509 certificates for message-level encryption and signing, ensuring confidentiality, integrity, and non-repudiation in data exchanges.

Microsoft Dataverse – Integration & Power BI Reports generation

Liquid Tools: Webshop (cloudtec)

Data migration service to move data from Webshop to Microsoft Dataverse (formerly CDS), leveraging Microsoft Power Platform's offerings like Power Apps and Power BI. I worked as an Integration Engineer on this project. My responsibilities include:

- Extract, transform, and load (ETL) the data to build Power BI reports on them
- Solution Artifacts creation and configuration (Logic Apps, Service Bus Queues, API Connections, Key Vault, Storage Accounts, Integration Account etc.)
- Design and Implement workflows (in a Logic App as the Primary Integration Application)
- Store data from multiple data sources into a single store i.e. Dataverse (formerly CDS)
- Rules and Policies definition (Action Group, Alert Rules)
- Schemas (for JSON Messages) and Transformation Map's creation
- Testing the integration flows with all possible use cases
- Preparing data for analytical or operational uses
- Preparing Power BI Reports and dashboards
- Making sure the Power BI Visuals are representing correct information
- Deployment to other environments through CI/CD Pipelines (Azure DevOps)
- Post-deployment support provision and troubleshooting

Microsoft Azure Consumption Logic Apps to - Microsoft Standard Logic Apps - Migration

Patagonia

Migration of several Consumption-based Logic Apps to Standard-based Logic Apps through Azure DevOps CI/CD Pipelines. I worked as a Senior Integration Engineer on this project. My responsibilities include:

- Comprehending and investigating the requirements
- Solution Artifacts creation and configuration (Logic Apps, Service Bus Queues, API Connections, Key Vault, Azure Storage services, Storage Accounts, Integration Account, Azure Administration etc.)
- Transforming the business processes into technical flows using Microsoft Azure Logic Apps/ Microsoft Power Automate (Flows)
- Developing the ESB application in Azure (iPaaS)

Power Apps - Microsoft Dynamics CRM - SAP-ERP - Integration

Blaser

An Enterprise Service Bus (ESB) Application to enable data integration between Microsoft Dynamics CRM (Microsoft Dataverse) and SAP-ERP (on-premises), with Model-driven Power Apps as the entry point for data. I worked as a Developer on this project. My responsibilities include:

- Comprehending and investigating the requirements
- Development, testing, and Deployment to other environments through CI/CD Pipelines (Azure DevOps)
- Demonstrating the progress before the client
- Overseeing the deployments and providing post-production support

Oracle Agile PLM - Planview PPM Pro – Integration

Skyworks

Bi-directional integration between the Oracle Agile PLM and Planview PPM Pro project management systems. Worked as an Integration Developer on this project. My responsibilities include:

- Studying the use cases, and investigating the requirements and goals
- Transforming the use cases into technical flows using Microsoft Azure Logic Apps
- Testing the data synchronization using SOAP UI
- Authenticating the flows using OAuth authentication Error Handling and Logging (Log Analytics).

CERTIFICATIONS

Microsoft AZ-500

Microsoft Azure Security Engineer Associate

Microsoft PL-300

Microsoft Power BI Data Analyst Associate