

# Shaheer Muzammil

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[Linkedin](#) | [Github](#) | [Portfolio](#)

## Employment

### Android Engineer

#### Surf

Dec 2018 - Present

Surf places high-quality interactive tablets in ride-share cars for the entertainment of passengers, and the promotion of businesses, brands & media creators.

- Led the design, development, and implementation of [Surf V3](#), which allowed the company to scale to 3M+ riders per month.
- Engaged with industry leaders such as Paramount Pictures, Vevo and iHeartRadio, and integrated Surf's Android app with their platforms.
- Designed Surf's architecture to dynamically support multiple content types (videos, websites, advertisements, etc.) with the ability to target relevant content to riders in real-time using their location.
- Implemented industry-standard advertising standards (VAST/VPAID) in Surf to allow interfacing with Ad servers.
- Enabled real-time data visualization in Surf dashboards by integrating live analytics reporting using Segment.
- Contributed to the company's brand expansion by working on the company's [Auto and TV Banner applications](#).

### Lead Android Engineer

#### Xeeonix Technologies

Nov 2017 - Nov 2018

A Software development company, that provided multi-platform applications, efficiently and effectively. The company got closed in early 2019 and subsequently the website was taken down.

- Maintained and updated [iDictate](#) and [Quicktate](#); to support the latest Android versions.
- Led the development of the revamp of their home security client's applications combining them into a single multi-flavor application significantly reducing the project codebase.

### Android Engineer

#### Enablers Inc.

June 2016 - Oct 2017

Enablers Inc. is an advanced technology provider, delivering enhanced solutions to leading communications providers.

- Designed, developed, and implemented [Vesta Audit](#) which was later on sold to MTN Nigeria.

## Projects

- **News App** (2020): A Simple application built as a sample for Clean Architecture with Coroutines, Dagger2, Jetpack Components, Unit and instrumented tests
- **Recording** (2019): An voice recording and playback application. Java, Kotlin, Coroutines
- **Customer Insight** (2016 - 2017): Mobile Network performance reporting application that monitors the Telecom service Provider's customer's mobile network experience. Java, FCM, Android Telephony API.
- **GeoTrack** (2017): A Geofencing application to track site and office, arrival and exit, timings. Java, Sqlite, Geofence

## Languages, Patterns & Technologies

**Languages:** Java, Kotlin & Javascript    **Architectures:** Clean Architecture, MVVM, MVP

**Technologies & Libraries:** RxJava2, Dagger2, Coroutines, Retrofit, Exoplayer, FCM, Firebase Runtime Database, Firebase Remote Configs, Android Navigation, Room, Databinding, Paging, Fused Location Provider and Location Manager, Mapbox, GeoFencing, GeoFire, Diffutils, Job Schedulers/Work Manager, VAST/VMAP/VPAID Ad Formats, Segment Analytics, Twilio

**Testing:** JUnit, Espresso, Androidx Test Component & Mockito

**Management Tools:** GIT, Bitbucket, Jira, Confluence

## Education

### Islamabad, Pakistan

#### National University of Sciences & Technology

Sept 2012 - June 2016

- Bachelors in Software Engineering
- Undergraduate Coursework: OOP, Data Structures & Algorithms, Databases, Computer Networks, Comp. Architecture, Software Design & Architecture, Software Requirement Engineering, Software Quality Engineering, Software Project Management