

Employment

Android Engineer

Surf

Dec 2018 - March 2020

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.

Android Engineer

Xeeonix

Nov 2017 - Nov 2018

A Software development company based in San Francisco and Pakistan, that provides multi-platform applications, efficiently and effectively.

- Led the design, development, and implementation of the revamp of their home security client's applications combining them into a single multi-flavor application which significantly reduced the project code and made maintenance a lot easier.
- Integrated new features like VOIP calls, VOIP to phone calls, remote building door unlocking and Building DVR Video streaming in the applications to expand the application's experience.

Android Engineer

Enablers

June 2016 - Oct 2017

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

- Designed, developed and implemented Vesta Audit which was later on sold to MTN Nigeria and JAZZ (the largest telecom and network services provider in Pakistan).

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

Projects

- **Surf V3** (2019). An entertainment platform that places interactive tablets in rideshare vehicles for the entertainment of passengers and the promotion of local businesses and brands. Kotlin, Clean Architecture, Dagger, RxJava
- **Surf TV** (2019). Out-of-home media distribution & advertising platform that uses, in stores, Monitors or TVs to share great content and promote local businesses around the community. Kotlin, Clean Architecture, Dagger, RxJava, Coroutines
- **Productivity App for Asplundh** (2017 - 2018). Path navigation, tracking and on-path element plotting application for line clearance surveys. Java, MVP, Mapbox
- **Vesta Audit** (2016 - 2017). Vesta Audit replaces Network Tower Site Audit's data's manual form filling and reporting generation with digital form data submission and automated report generation. Java, MVP
- **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 for Turnotech** (2016). A Geofencing application to track site and office, arrival and exit, timings. Java

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, 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