

Islamabad, Pakistan

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Employment

Software Engineer (Android) Surf Dec 2018 - Present

Surf places high-quality interactive tablets in rideshare 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 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.

Software Engineer (Android) 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 revamp of their home security client, Virtual Doorman's applications combining them into a single multi-flavor application.
- Integrated new features like VOIP calls, VOIP to phone calls, remote building door unlocking and Building DVR Video streaming in the Virtual Doorman's applications.

Software Engineer (Android) Enablers Inc. 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 ride-share 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). A 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 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

Proficient: Java, Kotlin **Familiar:** Javascript, Python

Design Patterns, Principles & Architectures: Clean Architecture, MVVM, MVP, RxJava2, Dagger2, Coroutines

Technologies & Libraries: 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, Sinch, Twilio

Management Tools: GIT, Jira, Bitbucket Pipelines(CI/CD)