

# HUSNAIN ALI

(Principal Software Engineer)

Senior iOS Engineer with **7 years** of experience in **native** and **hybrid** mobile development, complemented by emerging expertise in DevOps practices. Demonstrated success in delivering complex iOS applications while implementing modern CI/CD workflows. Combines deep technical knowledge in **Swift**, **Objective-C**, and **React Native** with a growing proficiency in deployment automation and pipeline optimization. Proven track record of leading development teams and **delivering 30+ successful applications** across various domains. Passionate about crafting efficient, scalable solutions that blend robust mobile architecture with modern **DevOps** approaches to enhance product quality.

## EDUCATION

**THE UNIVERSITY OF LAHORE**, Lahore, Pakistan  
BS Computer Sciences - CGPA: 3.37  
September 2013 – July 2017

## PROFESSIONAL EXPERIENCE

**ILI.DIGITAL AG**, Principal Software Engineer — Lahore, Pakistan  
Oct 2020 – Present

- Led a team of iOS engineers in successfully delivering **15+ complex** applications with **4.5+** App Store ratings.
- Comprehensive code review processes and testing protocols, improving code quality by 75% and reducing customer-reported bugs by 60%.
- **Migration** of legacy apps from Objective-C to Swift, **achieving 96%** app stability, a **35% performance boost**, and reduced maintenance costs.
- Designed and implemented **CI/CD pipelines** cutting deployment time by almost 50 minutes and reducing release issues by **90%**.
- Optimized app scalability from 10K to 100K+ users by enhancing the network layer and caching strategies, maintaining a crash rate below 0.5%.
- **AWS EC2-to-Fargate** migration with **auto-scaling**, significantly reducing infrastructure costs and improving resource efficiency.
- Established IaC using **Terraform** and **AWS CloudFormation**, reducing system provisioning time by 60% and streamlining deployments.

**ArhamSoft (Pvt) Ltd**, Senior Software Engineer — Lahore, Pakistan  
Feb 2019 – Oct 2020

- Mobile application development using Swift & Objective C with **MVVM design pattern**
- Working experience of CoreML, TensorFlow, and vision for real-time processing pose estimation & detection on the CPU.
- Human body tracking with **ARKit 1/2**.
- Performed technical designs and implementation of **10+ complex iOS apps** including Miryde apps.
- Worked on various design patterns such as, **Singleton**, **Delegate**, and **Notification patterns**.
- Develop a chat module for the Miryde app with **Socket.io**

## LANGUAGES

**Swift**, **Objective-C**, React native, Node.js

## TECHNICAL SKILLS

SwiftUI, Combine, RxSwift, Async/Await, SPM, CoreData, Realm, ARKit, Auto Layouts, Socket.IO, GraphQL, Git, Vision, CoreML, CI/CD Automation, Analytics & Crashlytics, Memory Management, Terraform, Terragrunt, AWS CloudFormation, EC2, Fargate, S3, RDS, Docker, Auto Scaling, Lambda.

## ARCHITECTURES

MVVM-C, MVVM, MVC, MVP, Clean

## TOOLS

XCode, VSCode, Source Tree, Github Desktop, Sketch, AdobeXD, Jira, Postman, MongoDB Studio, XAMPP, Lens, Docker, pgAdmin, MySQLWorkbench

## SOFT SKILLS

Flexibility, Analytical Thinking, Problem Solving, Adaptability, Networking, Accepting Feedback

## OTHER PROFESSIONAL EXPERIENCES

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**Novatore Solutions (Pvt) Ltd**, Software Engineer — Lahore, Pakistan  
July 2018 – Feb 2019

**Developers Clan**, Associate Software Engineer — Lahore, Pakistan  
July 2017 – June 2018

**Dynamic Logicx**, Apprentice (iOS) — Lahore, Pakistan  
April 2017 – June 2017

## PLATFORM

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macOS, Linux, Windows

## LANGUAGES

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English, Urdu, Punjabi

## PROJECTS & APPLICATIONS

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Throughout my career, from an intern iOS developer to a lead iOS engineer, I have successfully developed numerous iOS applications across diverse domains, including e-commerce, social networking, productivity, sports, finance, medical, and ARKit-based solutions. These below mention projects or applications are recently developed and available of app store.

### RENOLIT APP — (iPad Application)

<https://apps.apple.com/de/app/renolit-axs/id1585628382>

This is a business app for internal users of RENOLIT, it provides user an ability to make measurements with manual and automatic mode (with ARkit) and decor any surface with our wrapper developed with C++ and OpenCV furthermore user has an ability to store offline data which is then synchronize when the internet is available with both options to upload automatic or manual upload with user settings.

Built with an MVVM clean architecture using arkit, realm for local storage of data, RxSwift, Alamofire, Crashlytics, OpenCV, and SwiftLint for code analytics.

### KSC APP — (iOS Mobile Application)

<https://apps.apple.com/us/app/ksc-app/id1417115202>

This is an app develop for KSC football club in which users can see live scores, latest news, and receive latest news and offers from push notifications.

Built on MVVM pattern using Firebase, Socket.io (for live scoring), GoogleAdMob, Alamofire, RxSwift, RxCocoa, Google Analytics, Bluecode (Payment gateway) and Crashlytics.

### KSC TV APP — (tvOS App)

<https://apps.apple.com/de/app/ksc-tv/id1596881456>

In the KSC TV app, all videos about Karlsruhe SC are waiting for all fans of the blue and white. Current content about the KSC professionals, everything else that happens in the wildlife park as well as exclusive live streams and DREI60 videos.

Built on MVVM pattern using GoogleAdMob, Alamofire, RxSwift, RxCocoa.

### StaySafe — (iOS Mobile App)

<https://apps.apple.com/pk/app/staysafe-by-ili-digital/id1562835903>

StaySafe is the workplace safety quiz app. This means that while it's fun and playful, the app helps to refresh knowledge, trigger proactivity, and develop more mindfulness. StaySafe offers four different types of questions: Single Choice, Multiple Choice, True or False and Find the Mistake. All questions are linked to images to help users better understand the situation, context and message. The app is designed to be used efficiently at work, with challenging but intuitive questions presented in short game sessions.

Built on MVVM pattern using Firebase for push notifications, Socket.io (for game play), Alamofire, RxSwift, RxCocoa, Google Analytics, and Crashlytics.

### **TE to GO — (iOS Mobile App)**

<https://apps.apple.com/pk/app/te-to-go/id1614294679>

TE to Go is all about creating a better collaboration with your TE supplier. With TE to Go, the exchange of knowledge and prevention of inefficiencies is easy. In TE to Go, you will get together. One customer solution, one procurement and up to nine team members can build a Team. By playing Te to Go, your team will also collect Te to Go tokens that will allow you to raise your team rank, climb the leaderboard and unlock unique deals, which you only can find within the application.

Built on MVVM pattern using Firebase for push notifications, Alamofire, RxSwift, RxCocoa, Google Analytics, and Crashlytics.

### **Want It — (iOS Mobile App)**

<https://apps.apple.com/us/app/want-it-buy-sell-securely/id1248284976>

Want It provides the fastest and safest way to sell the stuff that you don't need and buy the stuff that you do. We've re-imagined local commerce to eliminate non-serious buyers, no-shows and scammers. Want It allows you to buy and sell locally, with peace of mind.

### **Jonple — (React Native Mobile App)**

<https://apps.apple.com/gb/app/jonple/id1493343667>

This app is a source for fitness, tailored workout plans, bespoke nutrition, wellness services and more. With Jonple you can customize plans and feedback from real fitness, chef and psychological professionals.

### **Mathlete - Let's Play Math — (Native iOS App)**

<https://apps.apple.com/pk/app/mathlete-lets-play-math/id1498595211>

MATHLETE - Let's Play Math! (A Project of ArhamSoft), has launched a quiz competition "McDonald's MATHmania" in collaboration with McDonald's Pakistan, through an interactive math quiz application for students. Students can develop their early math skills such as basic numerical operations while young teens can enhance their expertise on foundation of mathematics with absolute enjoyment.

## **ACADEMICS/PROFESSIONAL COURSES**

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### **eVenture Solutions certified iOS mobile Developer**

EVS Lahore – Lahore, Pakistan (June 2016 – Aug 2016)

### **DevOps with AWS**

LinkedIn (Oct 2024 – Oct 2024)

## **References**

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References can be provided on request