# AMEER MUHAMMED
## Senior Software Engineer

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**LinkedIn**

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- High performance, versatile professional with leveraged skills in designing and developing native iOS and hybrid applications.
- 3 years of relevant experience in software development with strong understanding of design patterns and development practices.
- Continuously discovering, evaluating, and implementing new technologies to maximize development efficiency, which help to maintain code quality and reliability. Have excellent interpersonal and communication skills.

## EDUCATION

**2015-06 - 2019-04**

### B.Tech: Computer Science And Engineering

*Cochin University of Science And Technology - Cochin, India*

- Coursework: Software Foundations, Computer Architecture, Comparison of Learning Algorithms, Computational Theory, Artificial Intelligence, Operating Systems, Databases.
- Course Project: Phish Hook – Detection of Phishing websites using an efficient, feature-based, machine learning algorithm. It enables live detection of phishing websites through chrome extension controls.

## CERTIFICATIONS

**2020-09**  IOS 13 & Swift 5 – The Complete iOS App Development Bootcamp

**2020-06**  Flutter foundation using Dart

**2019-04**  C++ Programming – Advanced Features

**2020-08**  Objective-C for Swift Developers

## CORE SKILLS

Flutter, Swift, Objective-C, Dart, Node.js

Cocoa Touch, CoreData, Realm, SDK integrations

MVVM, MVC architecture

Interface Builder, Storyboard, Auto Layout and SwiftUI

Cloud message APIs, CoreML, CoreAnimation

RESTful web services, JSON, XML parsing (REST APIs)

CI/CD pipelines using Fastlane and Jenkins

Multithreading, Memory management

Firebase and Cloud Firestore Integration

SQL (MySQL, SQLite), NoSQL(MongoDB), JSON

CoreLocation, Apple Push Notification (APNs), ARKit

Cocoapods, Swift Package Manager (SPM)

App analytics using Crashlytics and Google Analytics

Version control system: GitHub, Bitbucket

Testing: XCTest, XCUITest | IDE: Xcode, Android Studio, VSCode

## WORK EXPERIENCE

**2021-04 - Current**

### Senior Software Engineer

*Alwafaa Group, Dubai, United Arab Emirates*

Worked closely with business analysts, development teams and infrastructure specialists to deliver high availability solutions for mission-critical applications.
Responsibilities:
- Dealing with developer impediments, and supporting team with ideal solutions.
- Motivating the team to achieve high standards and KPI targets.
- Mentoring and training up interns and teammates.
- Arranging & chairing weekly team meetings, focusing on targets & achievements. Monitoring & reporting on standards & performance targets.

Projects:
- **Alfabee -** E-Commerce App
Appstore: https://apps.apple.com/ae/app/alfabee/id1536932609
Playstore: https://play.google.com/store/apps/details?id=com.app.alfabee
- **HalaPark (Native iOS) -** Enterprise Application for managing employee parking spaces https://www.halapark.com/private_parking/
- **DustAway** - Car Wash App
Appstore: https://apps.apple.com/ae/app/dust-away/id1596642587
Playstore: https://play.google.com/store/apps/details?id=com.app.dustaway
- **Alwafaa Foodstuff -** E-Commerce App
Playstore: https://play.google.com/store/apps/details?id=com.app.alwafaa_foodstuff

**2019-08 - 2021-04**

### Software Engineer - IOS

*Clevero Inc, Cochin, India*

- Planning, Design and Develop iOS application for *Staticphone.com* and Bula - *https://bula.fun*
- Designed apps in MVVM architecture and developed app features following Agile methodologies
- Wrote Restful APIs in Node.js with Unit testing and CI/CD pipelining using Jenkins
- Orchestrated efficient large-scale software deployments, integrating required frameworks and SDK integrations.
- Conducting meetings with project managers for understanding the requirements
- Source code version controlling using GitHub
- CI/CD pipeline for iOS app using Fastlane
- Leveraged knowledge in Swift, Objective-C, iOS Design Patterns, CI/CD, Data Persistence, SDK Integration, Multithreading, Crashlytics, Memory Management, Delegation, RESTful APIs.
- Bula Appstore Link: *https://apps.apple.com/in/app/bula/id1548938225*
- Staticphone Appstore Link: *https://apps.apple.com/in/app/staticphone-app/id1456571228*

**2019-06 - 2019-08**   **Software Engineer Intern**

*Ribbon Communications, Bangalore, India*

- Worked on processing SIP, RTP and VOIP traffic data
- Wrote bash program for transforming huge volume of data (from CSV chunks) to HP Vertica BDA platform
- Worked on processing port-mirrored chunks of network data from 4G LTE network
- Familiarized with Regex, Grep and similar utilities
- Leveraged knowledge in Low-level programming, Advanced C++, Linux in-build utilities, Deep understanding of telecommunication domain and protocols in practice.

## TECHNICAL EXPERIENCE

- **AR Museum** Redefining museum experiences with Augmented Reality. Stack: Swift, ARKit2

*Repo: https://github.com/AmeerMuhammed/ar-hero-museum*
- **Twitter Opinion** - CoreML Tweet sentiment analysis using Natural Language Processing (NLP). Stack: Swift, CoreML2

Repo: *https://github.com/AmeerMuhammed/twop-coreml*
- **HackerNews** - SwiftUI Implementation of Algolia HackerNews API. Stack: Swift, SwiftUI

Repo: *https://github.com/AmeerMuhammed/hackernews-swiftui*
- **ToMyCurrency** - Currency Converter iOS App using CurrConv API. Stack: Objective-C, CurrConv API

Repo: *https://github.com/AmeerMuhammed/to-my-currency*
- **AR Ruler** - Real world measurements using Augmented Reality. Stack: Swift, ARKit2

Repo: *https://github.com/AmeerMuhammed/ar-ruler*
- **Who Want to Be a Millionaire (WWTBAM) Game - Flutter** Stack: Dart, Flutter

Demo: *https://ameermuhammed.github.io/wwtbam-game-flutter/demo.mp4*

Repo: *https://github.com/AmeerMuhammed/wwtbam-game-flutter*

- **FTicket** - Barcode validation iOS app to a football stadium in Malappuram. Along with, barcode generator (windows application) developed using Python. Stack: Swift, Python3.7, PyBarcode, Tkinter, PostgreSQL
- **LectNote** - Cross platform app for sharing notes between faculties and students. Faculties have a separate web interface. Stack: Flutter, Dart, SQLite
- **Flora Lookup** - Identify flower from an image using CoreML. Oxford dataset is used. Also, fetches description and image of identified flower from Wikipedia.Stack: Swift, CoreML2, Wikipedia API

Repo: *https://github.com/AmeerMuhammed/floralookup*

- **ChatNow** - Messaging application using Firebase Cloud Firestore Stack: Swift, Firebase, Cloud Firestore (NoSQL Database)
- **Daily Prophet** – AR Newspaper Implementation of famous Harry Potter interactive newspaper Daily Prophet with augmented reality. Stack: Swift, ARKit2

Repo: *https://github.com/AmeerMuhammed/daily-prophet*

## ADDITIONAL INFORMATION

- Nationality: Indian
- Date of birth: 09 January 1996