

PROFESSIONAL SUMMARY

- High performance, versatile professional with leveraged skills in designing and building applications for iOS platform.
- 1.5+ 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

Cochin, India **Cochin University of Science and Technology** **June 2015 - April 2019**

- B.Tech. in Computer Science Engineering, Batch of 2019 – Secured First Class
- Coursework: Software Foundations; Computer Architecture; Algorithms; Artificial Intelligence; Comparison of Learning Algorithms; Computational Theory; 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

- [iOS 13 & Swift 5 – The Complete iOS App Development Bootcamp](#)
- [Objective-C for Swift Developers](#)
- [C++ Programming – Advanced Features](#)
- [Flutter foundation using Dart](#)

CORE SKILLS

- Swift, Objective-C, Dart(Flutter), SQL (MySQL, SQLite), NoSQL(MongoDB), JSON
- Cocoa Touch, CoreData, Realm, iOS SDK integration, CoreML, ARKit
- MVVM, MVC architecture
- Interface Builder, Storyboard, Auto Layout and SwiftUI
- Cloud message APIs and Apple Push Notification (APNs)
- RESTful web services, JSON, XML parsing (REST APIs)
- Cocoapods, CI/CD pipelines using Fastlane and Jenkins
- Multithreading, Memory management and app analytics using *Crashlytics* and *Google Analytics*
- Firebase and Cloud Firestore Integration
- Version control system: GitHub, Bitbucket
- Testing: XCTest, XCUITest | IDE: Xcode, Vim

WORK EXPERIENCE

Software Engineer - iOS **Clevero Inc.** **August 2019 - Present**

- Planning, Design and Develop iOS application for Staticphone.com
- 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
- Integrating Contacts framework for periodic update of contacts from device, along with other 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.

- 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

Projects

- **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/florallookup>
- **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>

LINKS

- LinkedIn: <https://www.linkedin.com/in/ameermuhammed>
- GitHub: <https://github.com/AmeerMuhammed>
- Personal Website: <https://ameermuhammed.github.io>