

Muaz Hassan

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EDUCATION

SOUTH EAST TECHNOLOGICAL UNIVERSITY

MSC-COMPUTING (ENTERPRISE SOFTWARE SYSTEMS)
Sep 2022 - June 2023 | Waterford, IRL

INSTITUTE OF SPACE TECHNOLOGY

BS-ELECTRICAL ENGINEERING
Sep 2018 - July 2022 | Islamabad, PK

LINKS

LinkedIn:// **Muaz Hassan**
Github:// **Muaz Hassan**

COURSEWORK

POSTGRADUATE

S1|Cloud Architecture
S1|Business Intelligence
S1|Agile Software development
S2|User Experience and Design
S2|Web Development (::Full-Stack)
S2|Mobile App Development (::Android)

UNDERGRADUATE

VLSI Design
Embedded Systems
Digital Logic Design
Computer Networks
Programming Language
Engineering Management

SKILLS

PROGRAMMING

Over 50000 lines:

- Swift

Over 5000 lines:

- Python • Kotlin • JavaScript

Familiar:

- iOS • Android • Web

- C++ • C# • MATLAB

- HTML/CSS

- AWS • Firebase

- REST API

- Heroku • Railway

- UT • TDD • CI/CD

- MVVM/MVC/MVP • GitHub/Git

HOBBIES

- Trekking • Photography
- Gaming • Football

EXPERIENCE

INDIE DEVELOPMENT | IOS ENGINEER

Oct 2021 - Sep 2022 | Islamabad, PK

- Creating iOS Applications from UX/Design to App Store publication

VYRO | RESEARCH AND DEVELOPMENT ENGINEER (IOS)

Sep 2020 - Sep 2021 | Islamabad, PK

- Developing and testing new features from scratch for the iOS application
- Collaborating with the development team for the integration of modules
- Working with images and using existing libraries for the development
- Fixing bugs, bottlenecks, and ensuring application stability

PROJECTS

COLLAGE HUB | APPSTORE LIVE

Designed and developed the entire application from scratch.

Available for iPhone, iPad, and Mac (Intel & Silicon).

Collage Hub | 40+ reviews globally

SIMULATOR APPLICATIONS

- **FYP | BS**: Early detection of breast tumor using machine learning techniques (CNN architectures, CLBP)
- **Meister Lite - Code & Preview**
 - Mobile-application allows users to add daily tasks, projects and checklists, and build a personal profile
 - Intuitive and classy Application UI(Programmatic + Storyboard)
 - Authenticating via Firebase
 - Syncing using Cloud Firestore
 - Maintaining data locally using Realm
 - Testing using XCTest
 - Based on Swift's modern and legacy API
 - Language: Swift | frameworks: UIKit & Snapkit
 - Architecture: MVVM
- **Fitness Pro - Code & Preview**
 - Web-application allows users to keep track of their routine i.e. workouts, activities, moods, and hydration
 - REST API from scratch
 - Hosted on Heroku and Railway
 - Database: PostgreSQL, Hosted on ElephantSQL
 - 100% test coverage using JUnit (Integration and Unit Test)
 - CI/CD: GitHub CLI
 - Documentation:: API: OpenAPI, Project: Dokka
 - Languages: Kotlin, JS, HTML, CSS | frameworks: Bootstrap, Axios
 - Principle: SOLID

More

- Auto-scalable ToDo web-application instance backed by AWS RDS and ELB
- Serverless architecture based on AWS Lambda, SQS, Dynamo and API Gateway
- Web-application allowing users to send messages (Backend & Frontend) - **Code**
- GitHub pro app (Access Github but via app, Part of Sean Allen course)
- AR dice app (Roll dice but in augmented reality, Part of Angela Yu course)
- Photo editor app (Using GPUImage to apply shaders/filters)
- Lazer eyes app (Detect pupil via ML model and get bitcoin maxi eyes)
- Drone monitoring app (Model detecting, tracking and centering drone in real-time)
- Hacker news app (Integration of API to fetch news)
- Crypto price app (Integration of API to fetch the coin price in multiple currencies)