# Hamza Iqbal

Full Stack Engineer | Rust, Flutter, React Native

A self-taught engineer with 7+ years of experience, I've built different types of software solutions like travel booking platforms, social networks, online stores, and business applications. I mostly use Rust, Flutter, NextJS, NodeJS, and React Native.

Outside of coding, I enjoy flying drones and playing story-rich video games like Detroit: Become Human and Cyber punk.

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Skills

⚛ React JS   Ⓝ Next JS   ↭ Tailwind CSS   ⬛ Webassembly   TS Typescript   ⬡ Material UI   ⬙ Firebase

◆ Flutter   ⚛ React Native   ⊘ Socket.IO   ⊕ Internationalization   ⚙ Multi Threaded Apps   ⚗ E2E Testing   ↔ Pixel Perfect UI

▷ Parallax Animations

Ⓡ Rust   ⬡ Node JS   ◮ Adonis JS   ℮x Express JS   ▯ CLI App   ⦿ Github Actions   ⬚ Postgres

Projects
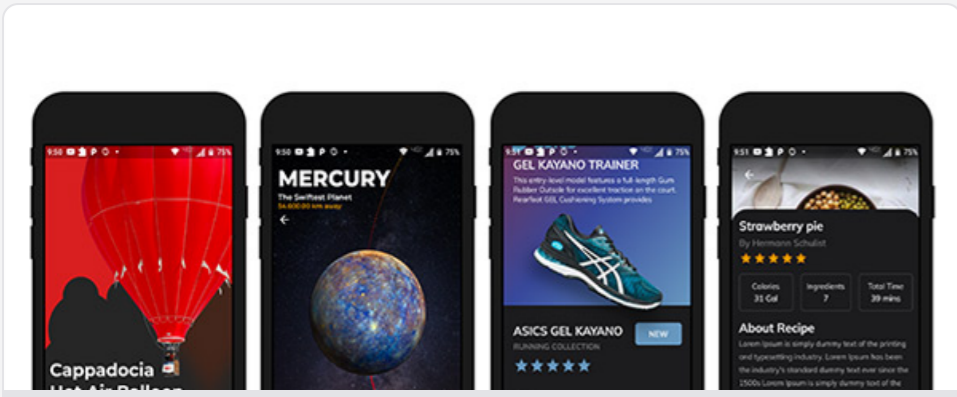
Flutter UI Designs

Open Source | Mobile App

Google Play | Github | Web
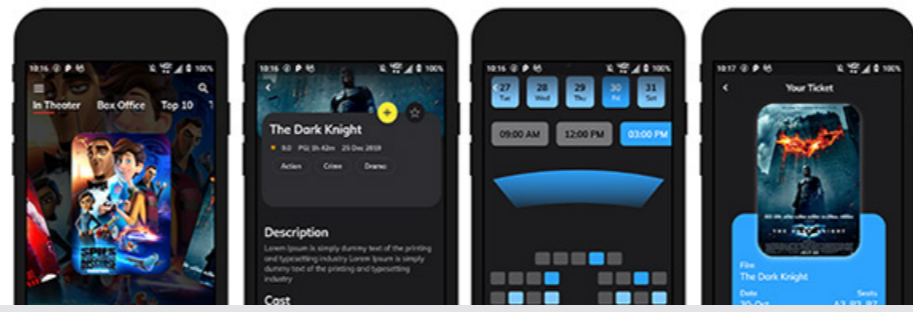
Flutter movie concept

Open Source | Mobile App

Google Play | Github | Web
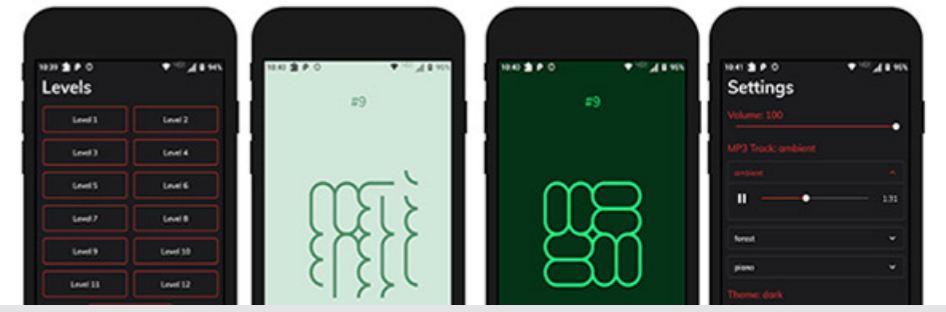
React Native Loop

Open Source | Mobile App
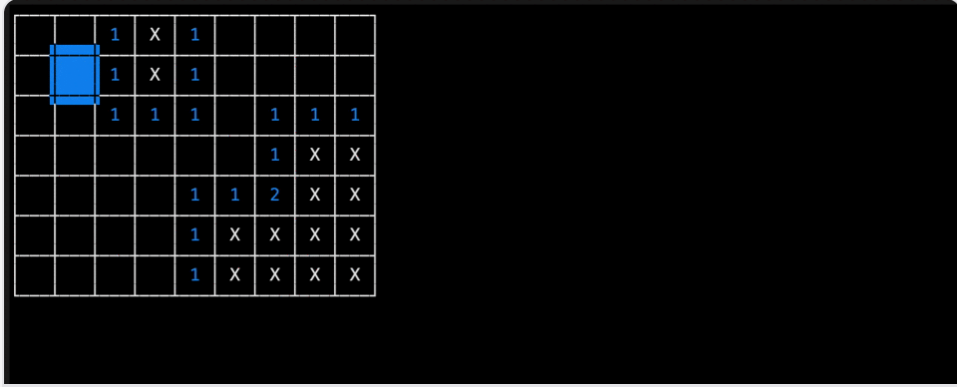
Google Play | Github

Golang minesweeper

Open Source | CLI App

Github
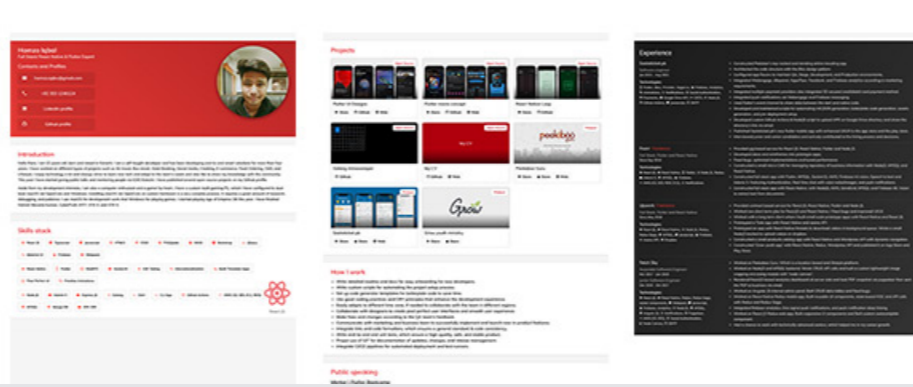
My CV

Open Source | Web App

Github | Web

Wheelbees

Product | Full Stack

Google Play | App Store | Web

QuestSocial

Product | Full Stack

App Store

Mixfame

Product | Mobile App

Google Play | App Store | Web

Peekaboo Guru

Product | Full Stack

Google Play | App Store | Web
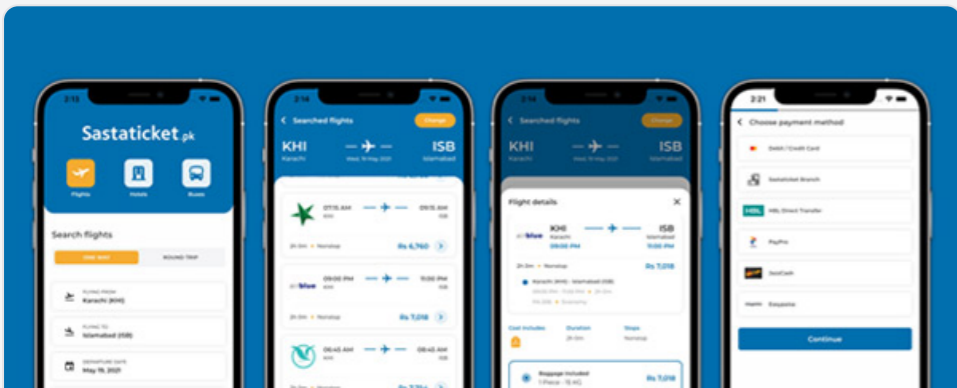
Sastaticket.pk

Product | Mobile App

Google Play | App Store | Web

Grow youth ministry

Product | Mobile App

Google Play | App Store

Experience

Mixfame Freelance
Freelance mobile engineer
Dec 2023 - Jun 2024

Flutter | Bloc | Provider | Firebase | Analytics | Animations | Notifications | In-app purchase

- Built Flutter mobile app from scratch for Mixfame, a talent management platform, integrating Firebase, and In app purchase.
- Deeplinking via push notifications and dynamic links for user engagement and retention.

Toptal Contracter
Freelance software engineer
Sep 2021 - Present

Flutter | Golang | React JS | React Native | Typescript | Firebase | Node JS | Adonis JS | Postgres | Ethereum | Ethers

- Built a React Native app prototype for BasedApp (fintech startup) integrating Web3, SafeWallet, Magic Link, and various blockchain functionalities.
- Developed Quest Social's real-time backend (AdonisJS, MySQL, Socket.io) and React Native mobile app with improved state management, revamped designs and new features, successfully publishing to App Store and Play Store.
- Prototyped a Flutter mobile app for New York based trading startup.

Voxlabs Contract
Project software engineer
Aug 2021 - Oct 2021

Flutter | Firebase | Typescript | React JS | Material UI

- Developed a vanilla JavaScript paywall plugin with ad-block bypass capabilities through dynamic CSS implementation, along with a admin panel built using React, TypeScript, Zustand, and Firebase.
- Maintained an existing Flutter mobile application and did code reviews of junior developers' work.

Sastaticket.pk Full time
Software engineer
Jan 2021 - Aug 2021

Flutter | Bloc | Provider | Firebase | Analytics | Animations | Notifications | Payments | Google Drive API | Node JS | Github Actions

- Architected and developed Pakistan's top-ranked airline travel app using Flutter and Bloc design pattern, successfully publishing on App Store and Play Store.
- Implemented robust development infrastructure including multi-environment configuration and automated workflows for internationalization, boilerplate code, assets generation, and deployment processes.
- Integrated analytics suite (Webengage, Mixpanel, AppsFlyer, Facebook, Firebase) and multiple payment gateways (Easypaisa, Jazzcash, Paypro, 3D-secured Credit/Debit cards).
- Hacked a zero cost CI/CD solution using Github Actions and NodeJS for automated APK distribution to Google Drive with email notifications.

Upwork / Fiverr Contracter
Freelance software engineer
May 2018 - Oct 2021

React JS | React Native | Flutter | Bloc | Redux | Redux Saga | Node JS | Adonis JS | Asana API | Dropbox API | MYSQL | Firebase | Notifications | AWS (S3, SES, RDS, EC2)

- Provided full stack development services for ReactJS, React Native, Flutter, and NodeJS, delivering prototypes and production ready applications
- Built and published multiple mobile applications including 'Grow Youth App' using React Native with Redux and WordPress API integration, launching on both App Store and Play Store.
- Prototypes a background video processing app using React Native threads and NodeJS/Dropbox integration.
- Developed a full-stack small CMS with ExpressJS and React Native App for management of business information repositories.
- Built Wheelbees, a comprehensive chat application for drivers featuring social authentication, real-time messaging with voice notes and images, advanced search capabilities (text/speech/image recognition), and push notifications.

Fetch Sky Full time
Software engineer
Dec 2016 - Oct 2018

React JS | React Native | Redux | Redux Saga | styled-components | webpack | Firebase | Analytics | Node JS | MYSQL | Angular JS | Notifications | Puppeteer | AWS (S3, SES)

- Worked on Peekaboo Guru, a location-based and lifestyle platform, developing its NodeJS/MySQL backend, ReactJS web app, and React Native mobile app.
- Built custom modules including a lightweight image cropping and sizing module using node-canvas, integrated Redux ecosystem (Redux-Saga, ImmutableJS) for state management, and implemented third-party services like Firebase analytics and OneSignal notifications.
- Developed internal tools including an AngularJS admin panel and a server-side rendered analytics dashboard with PDF reporting capabilities.