ABDELRAHMAN SAMIR MOHAMED

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Location: Istanbul, Turkey / Saudi Arabia |**Languages:** Arabic (Native/Fluent), English (Fluent), Turkish (Intermediate B1)

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PROFESSIONAL SUMMARY

Software Engineer and Flutter Developer with hands-on experience in full-stack mobile application development. Proven track record of building scalable applications used by university communities and businesses. Expert in Flutter framework, cross-platform development, and API integration with strong problem-solving abilities and clean code practices.

TECHNICAL SKILLS

Programming Languages: Dart, Python, Java, C, Kotlin

Frameworks & Technologies: Flutter, Django, RESTful APIs, Firebase, Node.js

Databases: SQL, NoSQL, Firebase Realtime Database, Firebase Firestore

Mobile Development: Cross-platform app development, State management, UI/UX implementation, Performance optimization

Development Tools: Git, Android Studio, VS Code, Figma

App Deployment: Google Play Store, Apple App Store, Version control, CI/CD

Additional Skills: API integration, Authentication systems, Real-time data synchronization, Offline functionality, Push notifications

EXPERIENCE

Full-Stack App Developer (Freelance)   *Jan 2024 - Present*

- Designed and developed a comprehensive data-recording app for OZ Cevahir using Flutter with Google Sheets API and Firebase as the backend, enabling real-time sync of items, customers, prices, and samples.
- Implemented backend database architecture and developed intuitive front-end interface that streamlined employee workflows by 40%
- Delivered full-stack solution from requirements gathering to deployment, ensuring data integrity and system reliability
- Enhanced user productivity through optimized UI/UX design and efficient data management systems

Mobile Application Developer Intern   *Aug 2023 - Oct 2023*

Blink Tech LLC, Istanbul

- Developed production-ready Flutter applications with RESTful API integration and advanced state management
- Contributed to enterprise-level shipping company application, implementing user-friendly features and seamless functionality
- Collaborated with cross-functional teams to deliver high-quality mobile solutions meeting business requirements
- Gained expertise in professional development workflows and industry best practices

Section Leader & Teaching Assistant   *Sep 2022 - May 2023*

Koç University, COMP125: Introduction to Programming

- Guided 50+ students through Python programming labs and core computer science concepts
- Developed teaching materials and evaluated assignments, improving student comprehension by providing personalized feedback
- Demonstrated leadership skills and technical communication abilities in academic environment

KEY PROJECTS

KUConnect - University Social Media Platform

Technologies: Flutter, Firebase, Node.js | Feb 2025 - Present

- Built comprehensive social media platform serving Koc University students and staff with many features used by users daily.
- Implemented features including image/text/video posts, interacting with like/comment, group creation, and private messaging.
- Developed additional functionality for club activities and Student Events, library room booking, and GPA calculation tools.
- Integrated Firebase backend with Node.js server for push notifications and real-time data synchronization.
- Received positive feedback from university administration and currently working on official university system integration.

KULab - Laboratory Analysis Mobile App

Technologies: Flutter, Arduino, Image Processing | May 2023 - Present

- Created specialized mobile application for Koç University's 1001 Mpox research project laboratory.
- Implemented remote control to control the Arduino (pumps, optical systems, heating systems).
- Developed LAMP fluorescent image analysis feature with Image analysis to determine positive/negative test results.

RESQU - Emergency Assistance App (Hackathon Winner)

Technologies: Flutter, Firebase | 24-hour Development

- Developed innovative emergency assistance application for disabled individuals during Solution Sprint Hackathon.
- Implemented location-based emergency services, accessibility features, and real-time communication system.
- **Awarded 2nd place** among all participating universities in competitive 24-hour development challenge.
- Demonstrated rapid prototyping skills and ability to deliver functional solutions under time constraints.

EDUCATION

Bachelor of Science in Computer Engineering

Koç University, Istanbul, Turkey | Graduated June 2025

Relevant Coursework:

- Data Structure and Algorithm(Java)
- Database Management (SQL & NoSQL)
- Operating Systems
- Programming Languages Concepts
- Algorithm Complexity
- Software Engineering
- Mobile Application Development (Android/Kotlin)
- Computer Networks & Security
- Computer Graphics
- Discrete Mathematics

ACHIEVEMENTS & CERTIFICATIONS

- **2nd Place Winner** - Solution Sprint Hackathon, Google Student Club, Altınbaş University (2023).
- **University Recognition** - Positive feedback from Koç University administration for KUConnect platform.
- **Teaching Excellence** - Successfully mentored 50+ students in Python programming fundamentals.