

# Muhammad Umer farooq

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## OBJECTIVE

Software Engineer with hands-on experience in Flutter, CI/CD automation, real-time systems, and backend integrations. Comfortable working across mobile, cloud, APIs, and DevOps tooling. Strong focus on documentation, problem-solving, Git workflows, and continuous learning. Focused on writing clean, maintainable code and collaborating in team environments.

## EDUCATION

### FAST NUCES

BS Software Engineering (CGPA : 3.08)

Islamabad, Pakistan

2021 - 2025

### Punjab College University

FSc Pre-Engineering

Multan, Pakistan

2019 - 2021

## EXPERIENCE

### CareCloud

Junior Software Engineer

Islamabad, Pakistan

June 2025 – Present

- **Mobile App Development:** Developed and maintained school management mobile apps automating admissions and scheduling, reducing manual work by 60% and improving engagement by 35%. Integrated IoT-based room control to streamline conference management.
- **App Publishing:** Automated publishing pipelines for iOS and Android using Fastlane + GitHub Actions, cutting release time by 50% and eliminating manual deployment issues.
- **Code Quality & Collaboration:** Implemented clean architecture, code reviews, and Git branching workflows.

### FAST-NUCES, Islamabad

Lab Demonstrator, Software Construction and Development

Islamabad, Pakistan

February 2025 – May 2025

- **DevOps Mentorship:** Led hands-on lab sessions guiding students in modern DevOps workflows using Docker, Minikube, and GitHub Actions to enhance CI/CD understanding.
- **Tool Proficiency Training:** Conducted over 16 hands-on training sessions on Kubernetes and CI/CD automation pipelines, enhancing DevOps proficiency for 100+ students and improving deployment efficiency by 40% in lab projects.

### Grayhat- Remote

Flutter Intern

Islamabad, Pakistan

June 2024 – August 2024

- **AI-Driven App Development:** Conceptualized and deployed a real-time messaging app using Firebase, integrating AI-powered voice dubbing that increased accessibility for users by 25% and supported 1,000+ concurrent users with seamless synchronization.
- **Frontend-Backend Integration:** Collaborated within an agile team to optimize Flutter–Firebase integration using REST APIs for AI features, improving response latency by 30%.

### Fiverr Platform - Remote

Level 1 Freelancer

Remote, Pakistan

July 2022 – August 2025

- **Flutter Application Delivery:** Engineered and delivered cross-platform mobile apps using Flutter, tailored to client requirements in e-commerce, productivity, and utility domains.
- **Technical Documentation:** Created high-quality technical artifacts including BPMN models, ERDs, and UML diagrams, improving project clarity and stakeholder communication.

## PROJECTS

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### **Final Year Project – SmartGuard – AI-Based Retail Theft Prevention System**

Engineered a real-time surveillance solution using computer vision to detect and alert on suspicious retail behavior.

### **OmniChat - Multilingual Real-Time Voice Chat App**

Built a Flutter-based chat application with live voice translation in multiple languages, powered by AI using REST API.

### **Tandoori Naan – Food Ordering App**

Designed and implemented a user-friendly mobile app to order traditional cuisine, with integrated menu browsing and order tracking.

### **Hidayah: Quran and Norani Qaida Learning App**

Created Hidayah, an interactive mobile app helping children improve Quran and Norani Qaida pronunciation.

### **Smart Learn – LMS App**

An interactive Flutter-based LMS app where students can enroll in subjects, watch videos, listen to audio, read paragraphs, and attend quizzes.

## CERTIFICATIONS

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### **Microservices and CI/CD Pipeline Builder**

*AWS Academy Graduate*

- Gained practical experience designing and deploying microservices architecture and building CI/CD pipelines using AWS services.

### **AWS Cloud Technical Essentials**

*AWS Academy Graduate*

- Learned foundational AWS services including EC2, S3, RDS, and IAM, with emphasis on cloud computing concepts and deployment strategies.

### **Flutter Essential Training: Build for Multiple Platforms**

*LinkedIn Learning*

- Mastered cross-platform app development using Flutter widgets, responsive layouts, and state management techniques.

### **AWS Academy Cloud Foundations**

*AWS Academy Graduate*

- Gained foundational knowledge and practical experience in cloud computing concepts, AWS core services (compute, storage, networking, databases), security, architecture, pricing, and support using AWS services.

## CORE SKILLS

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- **Programming & Concepts:** C/C++, Dart, OOP, SOLID, MVVM/Clean Architecture .
- **Mobile Development:** Flutter, Bloc, Riverpod, GetX, REST APIs, JSON, Push Notifications, Local Storage (Sqflite/drift), Responsive UI.
- **DevOps / Deployment** Git & GitHub, Git Flow, Rebase & Merge Conflict Handling, GitHub Actions, Jenkins, Docker, Fastlane, CI/CD Pipelines
- **Cloud & Backend** Firebase, Firebase Functions, MongoDB, AWS (EC2, S3, RDS, IAM), Authentication & Secure API Handling
- **Tools** Android Studio, Postman, Chrome DevTools, Linux Basics, Swagger, VS Code, Loom screen recording
- **Soft Skills:** Time Management, Documentation, Problem-solving, Planning and Organizing, Teamwork, Critical Thinking, Clear Communication, Multitasking