Aqib Mehedi

Senior AI & Mobile Solutions Architect | Flutter Expert

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PROFILE

Senior AI & Mobile Solutions Architect with 10+ years of experience architecting AI-powered SaaS platforms and cross-platform mobile applications. Led development of 8+ production applications across FinTech, EdTech, and AgriTech sectors, including secure fintech platforms processing thousands of daily transactions and AI-driven farming solutions. Specialized in Flutter, custom LLMs, and scalable cloud architectures. Successfully migrated legacy systems to multi-vendor platforms and optimized AI models for resource-constrained devices. Passionate about leveraging cutting-edge AI technologies to solve real-world problems in emerging markets.

WORK EXPERIENCE

Senior Mobile App Developer (Flutter), *Kamal-Paterson Ltd (KP Cloud)*
01/2025 – Present
UK-based AI and Cloud Solutions Provider
- Created Krishok AI (Farmers AI) - Fully farmer-friendly AI-powered platform with GPT-4.0 integration, featuring Bangla voice interaction with single-tap functionality for seamless communication, providing Bengali farmers with disease diagnosis, weather alerts, and agricultural guidance.
- Architected and launched 5+ AI-powered mobile applications using Flutter & Firebase, focusing on seamless user experiences and scalable backend integration.
- Developed innovative AI-driven solutions including Sleepy Owl Stories (GPT-powered storytelling) and Pocket Chef AI (computer vision cooking assistant), delivering engaging user experiences with advanced ML capabilities.

Full-Stack Mobile App Developer, *Technosoft Informatics LTD*
09/2023 – 12/2024
- Developed and deployed scalable Flutter applications serving education and payment sectors, focusing on performance, usability, and secure integrations
- Created REST APIs with Laravel and managed secure Firebase integrations for real-time sync & authentication across all projects
- Owned end-to-end development lifecycle, from planning and CI/CD to deployment and QA, ensuring high-quality deliverables
- Delivered flagship projects including Tcard (NFC payment solution), Porua (multilingual eBook platform), OnlyMCQ (exam prep platform), and Saifurs Books (digital platform for Saifurs educational content)
- Collaborated closely with clients to align features with business goals and translate requirements into technical specifications

Flutter App Developer (High-Security Platform), *Danesh Exchange Australia*
10/2022 – 08/2023
- Architected and developed a high-security foreign exchange platform handling 60+ currencies with AES-256 encryption, processing 5,000+ daily transactions meeting Australian banking compliance standards.
- Implemented comprehensive security measures including OTP authentication, root detection, and multi-channel notifications (push/SMS/email), with seamless integration to 3,000+ Australia Post locations.

Junior Software Engineer, *Nerd Castle Limited*
05/2018 – 05/2020
- Developed award-winning mobile platforms: E-PARKING (Winner: BASIS National ICT Awards 2018) and HOMEFOODZ (Banglalink IT Incubator 2.0 Champion)
- Built smart parking app with QR-code rentals and digital payments; created food marketplace with secure transactions, both from scratch using Java/Android and Laravel

Trainer (Mobile App Development - Android), *BASIS Institute of Technology & Management (BITM)*
04/2018 – 05/2020
- Delivered Flutter & Android training under National Skills Development Program, mentoring 40+ trainees with hands-on, project-based learning

EDUCATION

Android App Development Certification (SEIP), *BASIS Institute of Technology & Management*
03/2018 – 06/2018
- Intensive 4-month program covering Android development, Java, and mobile UI/UX
- Hands-on project development and industry-standard practices

BSc in Computer Science & Engineering, *Daffodil International University*
02/2014 – 12/2017
CGPA: 3.64/4.0
- Specialized in software engineering, algorithms, and system design

- Final year project: Bangla Wall E (AI) - Interactive AI-powered educational platform

SKILLS

TECHNICAL EXPERTISE
- Mobile Development: Flutter, Dart, Android, iOS (Expert)
- AI/ML: Custom LLMs, GPT, RAG, Computer Vision
- Backend: Laravel, Node.js, Firebase, AWS (Expert)
- Database: MySQL, Vector Databases, Firebase
- DevOps: CI/CD, Git, Docker

TOOLS & TECHNOLOGIES
- Development: VS Code, Android Studio, Xcode
- Cloud: AWS EC2/RDS, Firebase
- Version Control: Git, GitHub

LANGUAGES

• English

AWARDS & RECOGNITION

BASIS Certified Android Developer   01/02/2018
- Completed specialized Android development training program

**National ICT Awards 2018 (Innovation Category),** *Nerd Castle Limited*   01/12/2017
- Smart Parking App developed at Nerd Castle Limited

Banglalink IT Incubator 2.0 Champion
- HomeFoodz platform, awarded dedicated office space and incubation support

PROJECTS

Agri-Llama ⊡, *Designed and optimized a custom large language model specifically for Bangladeshi agricultural use cases. Achieved 70% reduction in model size to support 2GB RAM environments without sacrificing performance on Bengali queries. Enables farmers to access crop recommendations, weather insights, and practical farming advice.*

Farmers AI (Krishok AI) ⊡, *AI-powered farming app with Laravel backend & GPT-4.0 integration. Provides crop management, disease diagnosis, voice-based chat, weather alerts, and product recommendations for Bangladeshi farmers in Bengali/English.*

Danesh Exchange ⊡, *Secure fintech app handling 60+ currencies with AES encryption, OTP auth, root detection, and 3,000+ Australia Post integrations. Processes 5K+ daily transactions; matches banking standards for FX and notifications.*

KP Learn ⊡, *Udemy-style course platform with Flutter + Laravel. Udemy-style platform with instructor dashboards, video uploads, and analytics. Built in Flutter, Laravel, Firebase; scales online education for creators and institutes.*

Pocket Chef AI ⊡, *AI cooking assistant with ingredient recognition and recipe suggestions. Features: Computer Vision for scanning ingredients, GPT-powered meal planning, user-friendly interface. Impact: Simplifies cooking for users with Flutter/ML integrations.*

Echo AI Assistant (Git Repo Private) ⊡, *Versatile AI for task automation with Local LLM and Vision and Vector Database backend APIs. Personal SaaS; optimizes organizational workflows with RAG System. (RAG based backend for any custom app) Demo*

Porua.org ⊡, *Multi-vendor eBook platform with advanced security features. Highly encrypted eBooks and PDFs with end-to-end password protection, preventing unauthorized access and piracy. Multi-currency payment system supporting global vendors. Migrated legacy single-vendor system to scalable multi-vendor architecture using Python for database migration. Currently live and operational.*

PROFESSIONAL CERTIFICATIONS

BASIS Certified Android Developer   2018

IELTS Academic: 6.5 Band Score   2012

PROFESSIONAL DEVELOPMENT

Freelance Android Developer & Trainer, *Independent consulting and education*   2018 – 2022

Trainer, BASIS Institute of Technology & Management (BITM), *Mobile App Development* 2018

University Instructor, Daffodil International University (while 3rd year student), *Conducted skill*   2015 – 2016
development classes in graphics design and programming, and organized workshops on various technologies to inspire and mentor newcomers in tech