
MD PARVEZ

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Summary

Experienced Flutter and Android Developer with a passion for creating seamless, multi-platform mobile applications. Specializing in user-centric design, advanced data security, and performance optimization, I bring a strong commitment to innovation and collaboration. Proficient in Dart, Java, and Kotlin, I have a proven track record of delivering impactful solutions across diverse industries, combining technical expertise with a results-driven mindset.

Skills

- Android development
- App architecture planning
- Cross-platform development
- C
- Java
- Kotlin
- dart
- Android SDK
- Flutter
- RESTful APIs
- Firebase Services
- VoIP protocols
- Session Initiation Protocol (SIP)
- XMPP
- Cryptographic algorithms
- Application Security
- Design Patterns Comprehension
- Agile and Scrum methodologies
- Software Development Life Cycle (SDLC)
- Version Control Systems
- Problem Solving and Debugging
- UI and UX design skills

Project Highlights

Virtual Cabin Operations Console

- Designed and developed a Virtual Cabin Operations Console from scratch, integrating Asterisk AMI and SIP protocols.
- Implemented key telephony features, including hold, call transfers, conference management, and real-time status monitoring.
- Developed a license management system with in-app update capabilities for seamless user experience.

Virtual Phone Service Provider

- Designed and developed a Virtual Phone Service application from scratch, offering global phone numbers via SIP integration.
- Enabled users to add a second phone line to their smartphones, with full functionality for voice calls and text messaging.

VoIP Soft-phone Applications

- Developed soft phone applications featuring a pre-configured provider list for major cabin router manufacturers and pre-loaded dial plans.
- Integrated essential features such as speakerphone, mute, hold, secure voice, call history, and contact list/favorites.
- Enabled support for multiple calls, including call swapping, merging, splitting, and transferring.
- Implemented call forwarding, codec support, DTMF functionality, and integrated SRTP and ZRTP protocols for enhanced security.
- Added customization options like ringtones, contact avatars, and seamless integration with device contacts.

Cabin Router Tools Applications

- Developed the Cabin Tools applications to diagnose and troubleshoot in-flight connectivity, including satellite

communication and Wi-Fi, with automatic configuration detection and real-time monitoring.

- Implemented real-time monitoring and interactive features such as live flight tracking, weather status, and device connection status.
- Integrated diagnostic tools like Ping, Traceroute, and speed tests, providing users with efficient troubleshooting capabilities and support.

POS Systems

- Developed an easy-to-use POS system for restaurants, allowing waiters to quickly take orders without pen and paper.
- Implemented key features such as customizable menus, customer profiles, table status tracking, and payment calculations.
- Designed a user-friendly dashboard and settings interface for both waiters and admins to manage orders, customer information, and system configurations.

Experience

02/2023 - Current	Junior Software Engineer
Brotecs Technologies Ltd. Dhaka, Bangladesh	<ul style="list-style-type: none">• Enhanced proficiency in Android app development using both Java and Kotlin.• Developed new features for software applications.• Acquired expertise in app architecture.• Managed entire lifecycle of minor projects and specific elements.• Developed comprehensive understanding of VoIP and SIP.• Acquired practical knowledge with proprietary SDKs and implemented them in projects.
08/2022 - 02/2023	Intern
Brotecs Technologies Ltd. Dhaka, Bangladesh	<ul style="list-style-type: none">• Gained expertise in core principles of Android development with Java.• Supported in completing small tasks and resolving bugs.• Gained extensive knowledge of framework architecture and application creation process.• Worked alongside senior developers, benefiting from their guidance.• Enhanced proficiency in SIP protocol alongside foundational networking concepts such as TCP, UDP.

Education

12/2022	Bachelor of Science in Computer Science & Engineering
Dhaka, Bangladesh	Daffodil International University(DIU)
07/2018	Higher Secondary School Certificate in Science
Kishoreganj, Bangladesh	Hazi Jafar Ali College

Languages

Bengali: First Language

English:

C1

Advanced (C1)

Hindi:

B1

Intermediate (B1)

Websites, Portfolios, Profiles

- <https://github.com/parvez24h>
- <https://www.linkedin.com/in/parvez24h/>
- <https://parvez24h.github.io/portfolio/>