

# MUHAMMED BILAL A

Full Stack Developer | Flutter, React.js, Node.js, Nest.js

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## PROFILE

Experienced Flutter developer with 2.8 years of professional company experience. Proficient in Flutter, specializing in building cross-platform mobile applications for iOS and Android. Skilled in working with Node.js for back-end development and React.js for creating dynamic and responsive web interfaces. Passionate about delivering seamless user experiences, with a focus on writing clean, maintainable code and implementing innovative solutions to effectively meet client and user needs.

## WORK EXPERIENCE

**Xceptional Learning Pvt Ltd | Developer**

**July 2023 - Present | Ernakulam, India**

Developed cross-platform applications with Flutter, React.js, and Node.js/Nest.js, integrating RESTful APIs, authentication, payments, and multilingual support. Contributed to LMS, communication, kiosk, and e-commerce projects with a focus on performance and user experience.

**Brototype | Flutter Developer Trainee**

**November 2022 - July 2023 | Ernakulam, India**

Completed hands-on Flutter training in cross-platform app development, UI design, API integration, state management, and Firebase. Built projects while enhancing coding standards and problem-solving skills.

## EDUCATION

**Government Polytechnic College Cherthala**

Computer Hardware Engineering | 2019 - 2022

**K.K.P.M Alappuzha**

Plus Two Computer Commerce | 2017-2018

## SKILLS

### Mobile Development

- Flutter (Cross-platform apps for iOS & Android, including Flutter Web).
- Dart, Razorpay integration, Push notification.
- SQL (sqflite), NoSQL (Hive) Databases.

### Game Development

- Construct 3, GDevelop 5, GoDot

### Web Development

- React.js (Dynamic and responsive UI), Next.js, React Router.
- Material-UI, CSS, HTML.

### Back-End Development

- Node.js, Nest.js.
- RESTful APIs, JWT.
- Nodemailer, ZeptoMail.

### State Management

- BLoC, GetX, Provider, Riverpod

### Data Structures

- OOPs Concepts

### Programming Languages

- JavaScript, Dart, C, C++, Java

### Other Skills

- Responsive Design, API Integration, Error Handling, Validation

### Database Management

- PostgreSQL, MongoDB
- Sequelize, Firebase

### Tools & Libraries

- NPM, Nodemon, React Query
- Git, GitHub, Jira, Postman
- Swagger, Canva, Figma, Pub.dev

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## PROJECTS

### XL CONNECT ( Real - Time Communication Platform )

- Developed a secure Flutter app for therapy seekers with chat, audio/video calls, file sharing, contact & live location sharing.
- Integrated RESTful APIs with JWT authentication, GetX for state management, and multilingual support.
- Added scheduling, notifications, personalized profiles, and seamless UX across platforms.

### VERGE APP ( Learning Management System )

- Built a Flutter-based LMS for special education with assignments, Construct 3 game integration (offline mode), and multimedia support (video, gallery, PDF, YouTube, HTML).
- Enabled push notifications, multilingual support, and background task handling with WorkManager.
- Integrated webview for Xceptional Learning portal and study material access.

### LAUNCHER APP ( Kiosk Mode Application )

- Developed a Flutter kiosk app for VergeTab with auto-launch, app restrictions, and controlled device environment.
- Enabled access to brightness, Wi-Fi, Bluetooth, and system settings within the app.
- Ensured device lockdown features tailored for special needs users.

### IMODA ( E-commerce & Model Management Platform )

- Built a Flutter app with Firebase OTP, Razorpay payment integration, wishlist, cart, orders, events, and follow/unfollow.
- Developed RESTful APIs for CRUD operations with Node.js backend.
- Integrated push notifications and user profile management.

#### **XCEPTIONALLEARNING ( EdTech Web Platform )**

- Developed React frontend with JWT-secured login and multilingual support; backend with Node.js & Nest.js.
- Stored data on AWS & PostgreSQL; enabled webinars, game modules, homework management.
- Integrated ZeptoMail for transactional emails and user notifications.

#### **XL - IES ( Assessment & Analytics Platform )**

- Built a Node.js backend for customizable assessments, analytics, and outcome tracking.
- Developed dashboards for parents/teachers with real-time alerts and progress reports.
- Included school registration, management features, and reporting tools.

#### **BLACKBEATZ ( Offline Music Player )**

- Flutter-based app supporting local music playback, playlist creation, and favorites management.
- Used Hive for lightweight storage and BLoC for state management.
- Delivered smooth offline performance with efficient state handling.

#### **SOLESPHERE ( E-commerce Mobile Application )**

- Developed a Flutter e-commerce app with Firebase backend and Google/email-password authentication.
- Integrated Razorpay for payments, delivery tracking, and admin panel for order/user management.
- Enabled secure transactions, real-time updates, and seamless user experience.

#### **CLOUD SPOTTER ( Real-Time Weather Forecast Application )**

- Built a Flutter app with API integration for real-time weather data.
- Focused on clean UI, accurate data rendering, and efficient state management.