

# Christo Sam Mathew

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Flutter & Full-Stack Developer | BLE, IoT & Device Integration

Software developer with 4+ years of experience in web and mobile application development. Expertise in Flutter, BLE communication, and hardware-integrated systems. Skilled in building real-time applications, optimizing performance, and collaborating with cross-functional teams.

## Technical Skills

Frontend & Mobile: Flutter, Dart, React, Angular, HTML, CSS, JavaScript

Backend: .NET, ASP.NET MVC, Web API, Node.js

IoT & Device Integration: BLE, TCP/IP Communication, GStreamer, Wi-Fi Streaming

Cloud & DevOps: Azure (App Services, Functions), CI/CD, Git

Databases: SQL Server, MongoDB, SQLite

Tools: Postman, Selenium, GitHub, Azure DevOps

## Professional Experience

Application Design Engineer | Digital Core Technologies, Kochi | Sep 2022 - Present

- Developed web, mobile, and desktop applications integrated with embedded systems
- Built scalable modules using .NET, Node.js, and modern frontend frameworks
- Collaborated with hardware teams for seamless device communication
- Optimized performance, reliability, and responsiveness of applications

Flutter Developer / Trainer | Futura Labs, Calicut | Mar 2022 - Aug 2022

- Delivered Flutter training and mentored students on real-world projects
- Improved code quality and application performance through best practices

Software Developer & UI Designer | Jo2Web Ltd, UK | Apr 2020 - Mar 2022 (Freelance)

- Designed and developed responsive web and mobile applications
- Created UI/UX designs and implemented scalable frontend systems

### **Key Projects**

LazyBed – Smart Bed Controller App (Flutter, BLE)

- Built a cross-platform app to control smart bed devices using BLE
- Implemented real-time communication, pairing, and command handling

IP-Based Device Control System (Node.js, TCP/IP)

- Developed a system to control and monitor devices over TCP/IP
- Implemented real-time communication and diagnostics

3E Connect – Video Streaming App (GStreamer, Wi-Fi)

- Developed apps for real-time video streaming from hardware devices
- Optimized low-latency streaming and connectivity

Shop Seller – E-commerce App (Flutter, Firebase)

- Built an e-commerce app with product and order management
- Integrated Firebase for authentication and real-time data

### **Education**

M.Sc. Computer Science – Kannur University (2020–2022)

BCA – University of Mysore (2016–2019)