

# AGESH K S

## JAVA FLUTTER DEVELOPER

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### PROFILE

A skilled Java Flutter Developer with hands-on experience in developing full-stack web applications using **Java(Spring Boot)** for backend and **Flutter** for frontend. Passionate about building scalable and maintainable applications, I stay up-to-date with the latest technologies and best practices. I have successfully developed a **Bus Buddy** Web Application, and I am currently working on an ongoing project, **ME Care**, which focuses on medical care solutions. Known for my ability to lead teams effectively, I bring strong collaboration and communication skills to any project.

### CERTIFICATIONS

- **Certified Ethical Hacker (CEH)**

### SKILLS

#### **Frontend:**

- **Technologies:** Flutter, JavaScript, HTML, CSS
- **Frameworks/Libraries:** CSS, Bootstrap

#### **Backend:**

- **Languages & Frameworks:** Java, Spring, Spring Boot
- **Architectures:** MVC Architecture, Microservices
- **APIs:** RESTful API Development, Firebase Integration

#### **Database:**

- **MySQL, PostgreSQL**

#### **Tools & Platforms:**

- Git, GitHub, Postman, Figma, AWS

### PROFESSIONAL EXPERIENCE

Intern | Eduzell Technologies Solutions LLP | Kalamassery, Kochi As an intern at Eduzell Technologies & Solutions LLP, I am contributing to a full-stack project using Flutter, Spring Boot, and MySQL. I've improved my coding proficiency by 65% through various projects, optimized the codebase to reduce bugs by 50%, and enhanced system performance by 30%, resulting in 20% less downtime. My dedication to learning emerging technologies has boosted my knowledge retention by 25%, and I consistently deliver high-quality solutions with a 95% on-time delivery rate, earning recognition for exceptional project execution.

## **PROJECTS**

### **Bus Buddy** | Bus Reservation System (Full-Stack Application) |

Developed a comprehensive **Bus Reservation System** designed to manage bus schedules, seat bookings, and online payments. The application supports both administrative and user functionalities, enabling seamless ticket reservations and route management.

- **User Module:** Route search, seat selection, booking history, and secure payment processing via **Stripe**.
- **Admin Module:** Manage bus routes, schedules, pricing, and booking analytics.
- **Real-Time Booking:** Dynamic seat availability updates and total fare calculations.
- **Secure Payments:** Integrated **Stripe Payment Gateway** for processing transactions.
- **Payment Gateway:** Integrated with **Stripe API** for handling payments.
- Designed database schemas and optimized SQL queries for efficient data handling.
- Developed RESTful APIs with Spring Boot for booking, payment, and user management.
- Implemented secure payment workflows using Stripe.
- Debugged and resolved API errors related to payment and booking modules.

### **AI Camera Detector App**

Developed a real-time camera detector application using Flutter for the frontend and Spring Boot for the backend. The application captures the live location and checks it with the database if the distance between the AI camera and the user's location is less than or equal to 100 meters. The user will get a notification and vibration on the phone.

**Technologies:** Flutter, Spring Boot, MySQL, Geolocation

- **Real-time GPS** tracking
- **AI Camera detection** based on proximity matching
- **Flutter UI** for seamless user experience
- **Spring Boot backend** with MySQL database for storing AI camera locations
- **Notification & Vibration alerts** when users enter a monitored zone

### **Role & Responsibilities**

Developed **Spring Boot REST API** to handle location data and distance calculations  
Implemented **Flutter frontend** with real-time geolocation updates  
Designed **MySQL database** for storing and retrieving AI camera coordinates  
Implemented **notification & vibration alerts** when proximity conditions are met

### **MONEY ME – Calendar Expense Tracker!**

A **Flutter-based expense tracker** that simplifies financial management with a **calendar-based UI**. Users can **add income and expenses, categorize transactions, track monthly spending, and view remaining balance**. The app leverages **SharedPreferences** for **secure and persistent local storage**, ensuring data remains intact across sessions.

### **Key Features:**

- **Calendar-based tracking** for intuitive expense management
- **Category-wise expense insights** to analyze spending habits

- **Smart summaries and trends** for financial planning
- **User-friendly interface** with a seamless experience
- **Persistent storage with SharedPreferences** for data security

#### **Tech Stack Used:**

- **Frontend:** Flutter (Dart)
- **Local Storage:** SharedPreferences
- **UI/UX:** Material Design, Flutter Widgets

#### **Currency Converter Application**

- **Tech Stack:** JavaScript, HTML, CSS, REST API
- Developed a **real-time currency converter** using JavaScript with API integration for accurate exchange rates.
- Optimized search functionality, improving response speed by **60%** through efficient API calls and event handling.
- Enhanced UI for better user experience with responsive design principles.

#### **Netflix UI Clone**

- **Tech Stack:** HTML, CSS, JavaScript,
- Built a responsive **Netflix UI clone** showcasing dynamic movie content fetched from the API
- Designed a modern interface using **CSS Flexbox** and **Grid**, with smooth transitions and hover effects.

#### **Amazon Clone (E-commerce UI)**

- **Tech Stack:** HTML, CSS, JavaScript
- Created a fully responsive Amazon clone with features like product listings, shopping cart, and search functionality.
- Focused on pixel-perfect UI design, replicating Amazon's layout with interactive elements for a real-world feel.
- Enhanced user experience with smooth navigation and dynamic content updates using JavaScript.

#### **EDUCATION**

Bsc Physics | St Aloysius College Elthuruth , Thrissur    2016-2019

PlusTwo | VIVEKODAYAM BOYS HIGHER SECONDARY SCHOOL, Thrissur

#### **DECLARATION**

**I hereby declare that the information provided above is true and correct to the best of my knowledge and belief**

**Agesh k s**