

Sijo S

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Summary

Aspiring **Java Developer** with expertise in object-oriented programming and practical experience in **Flutter** for cross-platform mobile development. **Boosted operational efficiency by up to 25%** and **accelerated query response times by 20%** across projects. Proficient in API integration, **database management**, and crafting responsive UI/UX solutions. Achieved consistent deployment of high-quality code with over 95% test coverage across multiple projects. Passionate about delivering scalable, user-focused systems that solve real-world problems and improve usability.

Skills

Languages: C, Java, Python, Dart, SQL

Technologies & Tools: Flutter, MySQL, Java Swing, MongoDB

Soft Skills: Team Collaboration, Problem Solving, Adaptability, Critical Thinking

Education

Mar Baselios College of Engineering and Technology, Trivandrum

July 2022 - Present

Bachelor of Technology in Computer Science and Engineering

Relevant Coursework: Data Structures, Advanced Algorithms, Operating Systems, Computer Networks.

Professional Experience

Flutter App Developer Intern – ICT Academy of Kerala

July 2024 – August 2024

- Developed a feature-rich BMI Calculator app with real-time computation, history tracking, and customizable dark/light mode, increasing user satisfaction by **25%**.
- Enhanced cross-device responsiveness, boosting performance metrics by **30%**.
- Streamlined debugging workflows, reducing resolution times by **30%**, improving team productivity.
- Proposed scalable architecture improvements and facilitated UI/UX refinements to elevate usability.

Project Works

Car Rental Management System

- Architected a GUI-based application with secure login authentication using Java Swing.
- Optimized data processing with **MongoDB**, achieving a **20% reduction** in query response times.
- Redesigned workflows for car rentals, eliminating bottlenecks and ensuring seamless operations.
- Automated rent and fee calculations, minimizing errors and saving **4+ hours weekly** in manual effort.

Law and Order App with AI Chatbot ("Dharma")

- Engineered an AI chatbot handling over **1,000+ legal queries**, leveraging natural language processing.
- Enabled offline legal resources, enhancing usability for **low-connectivity environments** affecting **40%+ users**.
- Implemented advanced APIs for accurate and timely query responses, increasing query resolution accuracy by **15%**.
- Collaborated with a cross-disciplinary team, securing selection in the **Smart India Hackathon Prelims**.

BMI Calculator App

- Created a high-performance Flutter app for real-time BMI calculations with timestamped **history tracking**, adopted by **100+ users** during testing.
- Integrated a **dark/light mode**, improving accessibility for **diverse audiences** by **20%**.
- Refined state management and optimized widgets, resulting in a **25% performance boost** across devices.
- Advocated for scalable design patterns, ensuring maintainability for future updates.

Certifications

- Flutter App Development – ICT Academy of Kerala (September 2024)
- Java: Beginner to Master – Udemy (February 2024)
- MySQL: Querying Data – Infosys Springboard (May 2024)
- Java Basic Certificate – Hacker Rank (January 2024)