

MAHESWARI MATHIAZHAGAN

☎ +91 93612 32404

✉ maheswarimathiyazhagan59@gmail.com

📍 Urapakkam, Chennai– 603210

🌐 LinkedIn: www.linkedin.com/in/maheswari-mathiyazhagan-5a7242219

PROFESSIONAL SUMMARY

Software Developer experienced in creating Android, Web, and Desktop applications using Java, C#, .NET, Spring Boot, MySQL, Firebase and modern architectures. Specializes in API development, database optimization, geofencing systems, automation tools, and UI improvements. Dedicated to delivering scalable, secure, and efficient software solutions.

WORK EXPERIENCE

SRM Technologies (Sept-2022-Present)

Role: Programmer (Software Applications)

- Develop and maintain Android and desktop applications with improved user experience, performance, and functionality
- Utilize Java, C#, MySQL, .NET Framework to build secure, scalable software solutions
- Perform **testing, debugging, and optimization** to enhance application stability and performance.
- Collaborate with teams to deliver new features, database enhancements, and UI improvements

PROJECTS

Map Integration – Android Application

- Developed Android app using Google Maps API for interactive map features and route planning, integrating MySQL and SQLite for user and trip data storage
- Tracked and saved users traveled locations and trip details in a database, displaying the data dynamically using RecyclerView
- Added circular & polygon geofencing with real-time notifications for entry/exit/stay events.
- Optimized data handling and background triggers for faster notification delivery.

Equipment Management App

- Built real-time login and equipment management system using Firebase.
- Implemented QR code scanning for quick device identification.
- Enabled employees to submit equipment requests with timestamps and reminders.
- Tracked usage history and automated reminder notifications.

Office Production Testing Automation Application

- Developed an automation desktop application using C# and .NET Framework with separate login and registration features for users and admins.
- Designed functionality to control and test Snow Bike and E-Bike motor DUTs by toggling relays, setting voltage for specific channels, and managing Analog, Digital, and PWM signals.
- Enabled admins to view and filter user test reports by date, DUT number, and result, and manage user lists, enhancing report accessibility and monitoring.

Developed Full-Stack - Tic Tac Toe Game

- Developed a Tic Tac Toe (XO) game with two-player mode and computer mode using HTML, CSS, and Bootstrap for the frontend
- Implemented backend functionality with JavaScript and MySQL to store player names and scores and manage game data.
- Used AJAX to retrieve and display player statistics, including winning and losing data, dynamically from the backend.

EDUCATION

- Bachelor of Engineering in Computer Science and Engineering
- Dhanalakshmi Srinivasan Institute of Technology,
Tiruchirapalli-621112
- 2018 – 2022

SKILLS

- Programming languages: **Java, C#, C, C++**
- Mobile: **XML, Firebase, SQLite, Room database, MVVM (arch)**
- Web languages: **HTML, CSS, Java Servlets, Apache Tomcat, Postman**
- Web Services: **RESTful API Integration, JSON**
- Frameworks: Spring Boot 3 (Spring MVC, Spring Security, Spring Data JPA, Hibernate, Spring Core), .NET
- Database: **MySQL workBench 8.0**
- Cloud Service: **AWS Cognito, SNS, DynamoDB and AWS lambda**
- Development Tools: **Android Studio, Visual Studio, Eclipse**

ACHIEVEMENTS & AWARDS

- Completed the Android 15 Developer Course.
- Spring Boot 3 Training (Spring Core, REST, MVC, Security, JPA, Hibernate, MySQL)

PROFESSIONAL FOCUS AREA

- Software Development
- API Design and Development
- Database Optimization
- Automation Testing
- Team Collaboration