**RATHISH MUTHUKARUPPAN**

**FULL-STACK DEVELOPER**

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**PROFESSIONAL SUMMARY**

Full-stack developer with a strong command of Java, JavaScript, React.js, and Angular, complemented by SpringBoot, Mobile Application development, and containerization expertise. Adept at building scalable applications using RESTful APIs, SQL, and NoSQL databases, demonstrating a forward-thinking approach to technology solutions.

**INTERNSHIP**

**WEB DEVELOPER October 2024 - Present**

CubeAISolutions Tech Pvt.Ltd, India

* Developed and maintained server-side logic using Node.JS and Express.JS, optimizing application performance and ensuring scalability.
* Designed and managed RESTful APIs, enabling seamless communication between front-end and back-end systems while enhancing data flow efficiency.

Built interactive user interfaces with REACT.JS, integrating third-party libraries and APIs to enhance functionality.

**SKILLS & TOOLS**

**Languages:** Java, JavaScript, C# **Database :** MySQL, PostgreSQL, MongoDB

**Frontend:** React.js, Angular, HTML, CSS **Framework:** Spring Boot, Node.js, Express.js, ASP.NET

**Security & Authentication:** JWT, OAuth **Mobile Development:** Java, Kotlin, Flutter, Swift

**Version Control:** Git, GitHub, GitLab **Cloud & DevOps:** Docker, AWS, Azure, CI/CD pipelines

**Testing:** JUnit, Integration Testing **Soft Skills:** Problem-Solving, Critical Thinking

**Development Methodology:** Agile, Scrum **Backend**: DSA, OOP, API Gateway, Event-Driven Architecture

**PROJECTS  
MICROSERVICES** |[LINK](https://github.com/RathishMuthukaruppan/Microservices)

**Tools: SpringBoot, Docker, PostgreSQL, MongoDB, KeyCloak, Kafka, Swagger.API, EmailJS, Postman**

* **Microservices Architecture:** Developed a microservices-based system with Product Service (MongoDB), Order and Inventory Services (PostgreSQL), Notification Service (Kafka, EmailJS), and API Gateway for scalability and modularity.
* **Database and Messaging Integration:** Integrated MongoDB, PostgreSQL, and Kafka for data storage and real-time messaging, ensuring efficient service communication and data consistency.
* **Containerized services**: Using Docker, enabled Swagger API documentation, and tested APIs using Postman to ensure functionality and performance

**TRAVEL-BOOKING SYSTEM**

**Languages: -C#, JavaScript, HTML, CSS,ASP.NET**

* **Registration and Login System:** Developed backend logic in C# to handle user registration and login, ensuring data integrity and secure authentication with hashed passwords stored in the database.
* **Seamless User Experience:** Integrated the registration and login process with the front-end using JavaScript, HTML, and CSS, providing users a smooth and responsive authentication experience**.**

**PERSONAL RESTAURANT GUIDE** |[LINK](https://github.com/RathishMuthukaruppan/PersonalRestaurantGuide)

**Mobile Application**

* **Restaurant Guide Application Development**: Developed a personal restaurant guide application using Android Studio, allowing users to add restaurants, search for them by name or category, and provide reviews on their dining experience.
* **Interactive UI and UX Design**: Designed an intuitive and responsive user interface with dynamic UI elements such as buttons, navigation menus, and review sections, enhancing user interaction and app accessibility.

**EDUCATION**

Bachelor’s in Computer Programming & Analysis **Jan 2023 – Apr 2025**

**George Brown College**