

Ramachandramoorthi M

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Summary

Innovative Full Stack Developer with a robust background in designing and deploying scalable web applications. Proficient in modern technologies such as React, Spring Boot, Java, JavaScript, MySQL, Node.js, TypeScript, and Firebase. Demonstrated ability to translate complex requirements into user-centric solutions, with a strong emphasis on performance optimization and responsive design.

Education

Master of Computer Applications (MCA)

SRM Institute of Science and Technology
2023 – 2025 — CGPA: 9.29

B.Sc. Computer Science

GTN Arts and Science College
2020 – 2023 — CGPA: 8.5

Experience

Full Stack Developer

Central Institute of Classical Tamil (CICT), Chennai — March 2025 – Present

Architected and implemented a comprehensive digital learning platform, enhancing accessibility to classical Tamil resources. Leveraged React and Tailwind CSS to develop an intuitive user interface, improving user engagement by 30%. Integrated Firebase for real-time data management and authentication, ensuring secure and efficient user experiences.

Full Stack Java Developer Intern

RETECH Solutions Pvt Ltd, Chennai — May 2024 – March 2025

Developed and optimized RESTful APIs using Spring Boot and MySQL, reducing data retrieval times by 25%. Collaborated in an agile team to deliver scalable web applications, contributing to a 15% increase in client satisfaction. Implemented robust backend solutions, enhancing system reliability and performance.

Projects

Learning Portal – Online Education Platform

Designed and developed a scalable e-learning platform inspired by NPTEL, facilitating course registration, video lectures, and interactive assessments. Utilized React for frontend development and Node.js with TypeScript for backend services, ensuring seamless user experiences. Integrated Firebase for real-time data handling and authentication.

Tech Stack: React, Node.js, TypeScript, Firebase, Tailwind CSS

HealthChain – Blockchain-Based Medical Records System

Engineered a secure medical records management system using Java and Spring Boot, incorporating blockchain technology for data integrity. Developed smart contracts with Solidity and integrated them using Web3j, enabling decentralized data storage.

Tech Stack: Java, Spring Boot, Solidity, Web3j, MySQL

Technical Skills

Programming : Java, Python, JavaScript, Typescript

Backend : Spring Boot, Node, RESTful APIs

Frontend : React, HTML, CSS, Tailwind CSS, Bootstrap, Thymeleaf

Cloud & DB : Firebase, MySQL, AWS

Tools : Git, GitHub

Other: : Data Structures, System Design, Security Best Practices