

NETHMI NANAYAKKARA

Full Stack Developer | Java | Spring Boot | MERN Stack | React Native

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PROFESSIONAL SUMMARY

Results-driven Full Stack Software Engineer with experience in designing, developing, and deploying secure, scalable web, mobile, and desktop applications. Strong expertise in Java, Spring Boot, MERN stack, RESTful APIs, authentication (JWT, OAuth2), and relational and NoSQL databases. Skilled in Object-Oriented Programming (OOP), layered architecture, and clean code principles to build maintainable enterprise systems.

TECHNICAL SKILLS

Programming: Java, JavaScript, TypeScript, Python

Frontend: React.js, React Native, HTML5, CSS3, Bootstrap, JavaFX

Backend: Spring Boot, Node.js, Express.js

Databases: MySQL, MongoDB

Tools: Git, GitHub, Postman

PROJECT EXPERIENCE

StitchWave – Smart Garment Stock Management System | JavaFX, MySQL

- Architected desktop inventory management system using layered architecture.
- Implemented role-based access control and real-time stock tracking.
- Developed low-stock alerts and reporting modules.
- Applied DAO patterns and OOP principles for maintainable database integration.

Mental Health Therapy Center Management System | Java, JavaFX, Hibernate

- Built role-based desktop system for therapists, patients, and scheduling.
- Implemented secure authentication and availability-based session scheduling.
- Integrated payment processing and reporting using Hibernate ORM.

BarkBuddy – Full Stack Pet Adoption Platform | Spring Boot, MySQL

- Developed RESTful APIs using Spring Boot and Spring Security.
- Implemented JWT authentication and Google OAuth2 authorization.
- Built messaging, Lost & Found modules, and admin dashboard.
- Integrated local AI chatbot using Ollama for automated assistance.

InterviewAce – AI Interview Simulator | MERN Stack, TypeScript

- Developed full-stack AI-powered interview preparation platform.
- Integrated Google Gemini API for dynamic question generation.
- Implemented voice interaction using Speech-to-Text and Text-to-Speech.

Responsive Hotel Website | HTML, CSS, Bootstrap

- Designed mobile-first responsive UI with modern UX principles.
- Optimized cross-device compatibility and front-end performance.

Pizzeria – Mobile Pizza Ordering App | React Native, Expo, Firebase

- Developed a full-stack cross-platform mobile application for browsing, customizing, and ordering pizzas and combos.
- Integrated Firebase Authentication and Firestore for secure user management and real-time order tracking.
- Implemented Expo Location API to automatically fetch and reverse-geocode user delivery addresses for a seamless checkout experience.
- Designed a modern, responsive UI using NativeWind (TailwindCSS) and Expo Router for efficient file-based navigation and state management.

EDUCATION

Institute of Software Engineering (IJSE)

Undergraduate

2024 - 2027

REFERENCES

Prasad Waduge

CEO / Senior Trainer - IJSE (Institute of Software Engineering)

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Sri Lanka