

Navaneethan R

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SUMMARY

Detail-oriented Software Developer with 2 years of expertise in backend development, specializing in Java, Spring Boot, and Microservices. Experienced in designing secure RESTful APIs, optimizing performance with Redis, and handling PostgreSQL database management. Recognized for strong analytical skills, effective collaboration, and clear communication in team environments.

TECHNICAL SKILLS

Programming Languages: Java, SQL

Backend Technologies: Spring Boot, Spring Security, Spring MVC, Hibernate, Microservices, RESTful APIs, Apache Kafka

Frontend Technologies: HTML5, CSS3, JavaScript

Databases & Caching: PostgreSQL, MySQL, Redis

DevOps & Tools: Git, GitLab, GitLab CI/CD, Docker, Kubernetes, Maven, Postman, Eclipse, STS, VS Code

SDLC & Methodologies: Agile / Scrum, SDLC, Release Management

Core CS Concepts: Data Structures & Algorithms, OOP, DBMS, Operating Systems

PROFESSIONAL EXPERIENCE

Software Developer

T-Machine Software Solutions

Oct 2023 – Nov 2025

Chennai, India

Project : T-Machine EdTech Tool 2.0

- Played a key role throughout the complete software development life cycle—covering design, coding, testing, and deployment—to ensure reliable and high-quality software releases.
- Developed and integrated a secure Face Authentication module using Spring Boot and Python (OpenCV), achieving a 95% accuracy rate for user login and registration.
- Led the architecture and development of T-Machine Tool 2.0 using a Microservices framework, incorporating Apache Kafka to process 1000+ daily messages with data consistency maintained under 100ms latency.
- Enhanced system scalability and performance by designing optimized APIs and enabling efficient service-to-service communication with load balancing, which reduced response times by 40% while also designing and implementing front-end UI components with React and TypeScript for seamless user experience.
- Built and validated REST APIs using Postman, actively collaborating within Agile sprints and leveraging CI/CD pipelines to accelerate delivery of stable and high-quality features.

Project : T-Machine EdTech Tool 1.0

- Developed and deployed secure RESTful APIs using Spring Boot to handle authentication, user registration, and profile features.
- Implemented a personalized course recommendation engine through interest-based mapping, increasing user engagement by 30%.
- Designed and integrated APIs for course samples and assessments, storing user progress and evaluation data in PostgreSQL.
- Optimized system performance by leveraging Redis for caching user sessions and recommendation data, reducing response latency by 35%.
- Collaborated with frontend developers and contributed to UI integration, ensuring seamless API consumption and resolving CORS challenges.

EDUCATION

K.L.N College of Engineering

Bachelor of Technology (B.Tech) – Information Technology

CGPA : 8.2

Madurai, TN

2019 – 2023

CERTIFICATIONS

Java Full Stack Developer Certification - Palle Technologies, Bangalore

MySQL - HackerRank