

Vishnu Teja Kilaparathi

+91-6304208875 kilaparthivishnuteja@gmail.com LinkedIn Github

Experience

T-Machine Software Solutions

Nov 2024 – Present

Associate Software Developer – Java, Spring Boot, Microservices, MySQL, Redis, Kafka

Chennai, India

- **T-Machine Tool 2.0 – Microservices-Based System**
- Designed and built **T-Machine Tool 2.0** using a robust **Microservices architecture** to support scalable operations.
- Integrated **Apache Kafka** to process over **1,000+ daily messages**, achieving **<100ms latency** for real-time communication.
- Developed secure **Login and Registration** modules with **JWT and Session-based Authentication** for robust access control.
- Implemented a **reverse proxy setup** for **load balancing**, improving response times by **40%**.
- Collaborated closely with **frontend** and **QA teams** to ensure **zero-downtime deployments** and seamless user experiences.
- **T-Machine Tool 1.0 – Monolithic System**
- Developed backend services using **Spring Boot, Redis, and Spring Security** with session-based authentication.
- Enhanced data retrieval speed by **30%** through efficient caching mechanisms using **Redis**.
- Optimized API communication, reducing backend processing time by **25%** via collaboration with the frontend team for streamlined data exchange.

Projects

ASK-ME (a BnB's & Hybrid Chatbot using RASA and NLP) | RASA, NLP, Python, REST API

- Developed a smart hotel assistant using **RASA and NLP** to handle **room bookings, restaurant reservations, breakfast scheduling, FAQs, and cancellations** via a conversational interface.
- Implemented hybrid intent recognition using **rule-based** and **machine learning** techniques.
- Integrated backend APIs and designed contextual dialogue management for seamless and intelligent user interactions.

Hotel Room Booking System | Java, Spring Boot, Spring Security, MySQL, Redis, JWT

Github

- Developed a secure and high-performance hotel room booking system enabling users to **search and book rooms** and admins to **manage room inventory**.
- Integrated **Redis caching** to improve room availability response times.
- Implemented **role-based authentication** using **JWT** and Spring Security for secure user/admin access.

Technical Skills

Programming Languages: Java, SQL

Web Technologies: HTML, CSS, JavaScript

Databases: MySQL, Redis

Frameworks: Spring Boot

Architecture & Messaging: Microservices and Apache Kafka

IDE's & Tools: Eclipse, VS Code, Postman, Git, GitHub

Certifications

- **Programming in Java, NPTEL (2021)** – Awarded Silver Medal for outstanding performance in the course.
- **Full Stack Development,, CV Corporate Services Pvt Ltd (2024)**-Completed a 16-month internship focused on full-stack development using modern Java technologies

Education

Anil Neerukonda Institute of Technology & Sciences

Aug 2019 – Apr 2023

B.Tech in Information Technology