M.Mamatha Latha

Backend Developer

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Backend developer with 3.6+ years of professional experience building scalable, production-ready backend services using Java, Spring Boot, and microservices. Hands-on experience with PostgreSQL, MongoDB, Redis and AWS. Strong focus on API design, performance optimization, and reliable integrations with third-party services.

Experience

Senior Software Developer (at THRYMR SOFTWARE **)**   *Jan 2024 - Present*

- Designed and implemented REST APIs and microservices using Spring Boot focusing on scalability and observability.
- Optimized database queries and added Redis caching to reduce response times and lower DB load.
- Integrated third-party APIs (HereMap, PC*Miler, Oracle Transport APIs) and handled
- XML/JSON transformations reliably.
  Implemented secure authentication flows with Google/Microsoft Authenticator and managed AWS S3 file uploads

Software Developer   *Jan 2023 - Jan 2024*

- Built and optimized backend applications using Java and Spring Boot.
- Implemented Redis caching strategies and improved system throughput.
- Worked with databases like MongoDB, PostgreSQL, and MySQL.

Intern   *July 2022 - Dec 2023*

- As an intern, I worked on backend development using Java and Spring Boot, focusing on building and optimizing APIs. I also gained experience with database operations and created a demo Employee Management System

Education

Rayalaseema University, Kurnool   *2019-2022*

- B.COM (Computer Applications)

Skills

- Programming language : Java (3+)
- Frame Work: Spring Boot(3+)
- Databases: Postgresql,MongoDB(3+)
- Messaging: Kafka (2+)
- Cloud: AWS (S3, SES) (2+)
- Microservices (1.5+)

- API Testing: Swagger , Postman
- Notifications : MSG91, Twilio
- Version Control: Git
- Authentication:Google& Microsoft Authenticator
- Caching: Redis

Projects

Project – 1 Inspirage (Logistics Management System)

 Built a comprehensive logistics management system to track shipments, manage order lifecycles, and ensure seamless integration with third-party transportation systems.

Responsibilities:

- Developed REST APIs in Spring Boot for managing orders, shipments, and delivery tracking.
- Integrated HereMap and PC*Miler APIs for accurate distance and routing calculations.
- Parsed shipment XML files and stored structured data in MongoDB for flexible querying.
- Built XML transformation logic to send shipment data to Oracle Transportation Management (OTM).
- Used Redis caching to improve API performance and reduce response latency.
- Documented APIs using Swagger and validated endpoints with Postman.
- Implemented strong exception handling for XML errors and third-party API failures.

Environment: Spring Boot, PostgreSQL, IntelliJ, Swagger, Git, Postman, MongoDB, Spring Data JPA, Redis, Heremap API, PC miler API

Project - 2 AI-Based Microservices Application (ChatGPT integration)

 Designed and developed a scalable microservices-based AI application leveraging OpenAI's ChatGPT APIs. The system was divided into two core services — User Service for authentication and profile management, and AI Service for handling AI interactions, image generation, code-based queries, and file uploads.

Responsibilities:

- Integrated ChatGPT (including GPT-4-mini) for AI chat, code Q&A, and image generation
- Implemented secure login using Google and Microsoft Authenticator Enabled image
- upload and storage using AWS S3 Built RESTful APIs for communication between services

Environment: Java, Spring Boot, PostgreSQL, IntelliJ, Swagger, Git, Spring Data JPA,Redis, Chat GPT API , AWS S3, Docker, Google & Microsoft Authenticator