

Hari Babu Thatikonda

Software Developer

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Experience

Tata Consultancy Services

Aug 2022 – Present

Software Developer—Java, Spring Boot, Angular

Hyderabad, India

- **Developed and maintained Angular components and RESTful APIs using Spring Boot**, enabling seamless UI-backend integration and enhancing user experience.
- **Reduced report generation time by 40%** in the Financial Insights and Analytical Tool (FIAT) by optimizing backend logic and API performance for Verizon's finance platform.
- **Resolved 100+ application vulnerabilities** as part of Equitable's Vulnerability Remediation Team, improving overall system security and compliance.
- **Refactored legacy modules** into independently deployable microservices, reducing code maintenance time and improving scalability.
- **Reduced backend response time by 20%** by leveraging Java 8 features like Streams, Lambdas, and thread-safe operations for performance tuning.
- **Designed secure APIs** using JWT-based authentication and role-based authorization, ensuring 100% compliance in internal security audits.
- **Implemented in-memory caching** with Redis and optimized database queries, significantly improving data retrieval efficiency and boosting overall application performance and scalability.
- **Implemented centralized logging and exception handling** with Spring AOP and SLF4J, improving error traceability.
- **Collaborated across Agile teams** to deliver features in sprints, consistently meeting sprint goals and backend delivery deadlines.

Projects

Mental Health Application | Java, Spring Boot, Angular, Microservices, MongoDB, Ollama, Llama3

[Demo](#) [GitHub](#)

- Designed and developed an AI-powered Mental Health App with Spring Boot, Angular, JWT-secured microservices, and a RAG-based LLaMA 3 chatbot, featuring a health dashboard.

Random Chat | Java 21, Spring Boot, WebSockets, HTML/CSS, JavaScript, WebRTC, Virtual Threads

[Demo](#) [GitHub](#)

- Built a real-time video chat app using WebRTC for media exchange and Spring Boot WebSocket for signaling, with a scalable backend powered by Java 21 Virtual Threads.

Collaborative Editor | Java, Spring Boot, WebSockets, Angular, TypeScript, MongoDB

[Demo](#) [GitHub](#)

- Developed a real-time collaborative text editor with an Angular frontend and Spring Boot backend using WebSocket for live multi-user editing and synchronization.

National Scholarship Portal | Java, Spring Boot, Angular, MongoDB

[Demo](#) [GitHub](#)

- Built and deployed a full-stack Scholarship Management System using Spring Boot, Angular, and Dockerized REST APIs with multi-role access, deployed on Render.

Technical Skills

Programming Languages: Java, TypeScript, JavaScript, Python

Frontend: Angular, HTML/CSS, Bootstrap, Tailwind

Backend: Spring Boot, Spring MVC, Hibernate, Microservices

Databases: MySQL, MongoDB

Version Control: Git, GitHub, GitLab

DevOps & Cloud: Google Cloud Platform (GCP), Docker, Jenkins

Miscellaneous: Postman, Swagger, JIRA, JWT, Agile, Veracode.

Education

St. Ann's College of Engineering and Technology

B.Tech : **Electronics and Communication Engineering(ECE)**

July 2018 – June 2022

CGPA: 7.15